

## Absolute value equations - Integers

**Solve equations without operations inside or outside the absolute value:**

1)  $|n| = 4$

2)  $|x| = 29$

3)  $|x| = 34$

4)  $|b| = 51$

5)  $|k| = 22$

6)  $|n| = 13$

7)  $|k| = 39$

8)  $|m| = 23$

$$9) |p| = 41$$

$$10) |m| = 24$$

$$11) |n| = 40$$

$$12) |n| = 37$$

$$13) |x| = 15$$

$$14) |n| = 53$$

$$15) |x| = 57$$

$$16) |n| = 60$$

$$17) |b| = 20$$

$$18) |p| = 1$$

$$19) |x| = 14$$

$$20) |v| = 10$$

$$21) |b| = 26$$

$$22) |a| = 49$$

$$23) |v| = 36$$

$$24) |x| = 45$$

$$25) |v| = 8$$

$$26) |v| = 11$$

$$27) |m| = 27$$

$$28) |b| = 59$$

$$29) |b| = 35$$

$$30) |p| = 9$$

$$31) |x| = 42$$

$$32) |p| = 2$$

$$33) |n| = 44$$

$$34) |n| = 12$$

$$35) |k| = 55$$

$$36) |k| = 16$$

$$37) |x| = 25$$

$$38) |n| = 6$$

$$39) |v| = 48$$

$$40) |n| = 50$$

$$41) |p| = 28$$

$$42) |k| = 30$$

$$43) |p| = 52$$

$$44) |a| = 5$$

$$45) |m| = 56$$

$$46) |n| = 46$$

$$47) |n| = 47$$

$$48) |n| = 19$$

$$49) |n| = 31$$

$$50) |v| = 18$$

$$51) |r| = 32$$

$$52) |a| = 43$$

$$53) |n| = 3$$

$$54) |x| = 54$$

$$55) |b| = 33$$

$$56) |k| = 58$$

$$57) |b| = 17$$

$$58) |x| = 21$$

$$59) |k| = 7$$

$$60) |x| = 38$$

**Solve equations with one operation:**

$$61) |8p| = 72$$

$$62) |7v| = 63$$

$$63) |-9k| = 27$$

$$64) |-1 + p| = 1$$



$$65) \left| \frac{x}{5} \right| = 3$$

$$66) \left| \frac{k}{8} \right| = -4$$

$$67) |5a| = 15$$

$$68) |4a| = 12$$

$$69) |b - 2| = 4$$

$$70) |a + 7| = 0$$

$$71) |-2 + x| = 2$$

$$72) |n + 6| = 11$$

$$73) |x + 8| = 17$$

$$74) |-8 + p| = 5$$

$$75) |7 + a| = 16$$

$$76) \left| \frac{x}{4} \right| = -1$$

$$77) |x - 9| = 10$$

$$78) \left| \frac{p}{7} \right| = -1$$

$$79) |x - 7| = 0$$

$$80) |n - 7| = 15$$

$$81) \left| \frac{n}{9} \right| = -2$$

$$82) |n - 4| = 9$$

$$83) |a + 5| = 13$$

$$84) |-2n| = 12$$

$$85) |1 + m| = 5$$

$$86) |n + 7| = 10$$

$$87) |x - 6| = 1$$

$$88) |a + 7| = 1$$

$$89) |9 + n| = 15$$

$$90) |-7 + b| = 5$$

$$91) |-8x| = 48$$

$$92) \left| \frac{n}{8} \right| = 4$$

$$93) |2x| = 16$$

$$94) \left| \frac{a}{2} \right| = 3$$

$$95) |r - 4| = 0$$

$$96) \left| \frac{r}{7} \right| = -4$$

$$97) |8x| = 24$$

$$98) \left| \frac{p}{2} \right| = 0$$

$$99) |n + 6| = 5$$

$$100) |k + 4| = 4$$

$$101) |n - 7| = 0$$

$$102) |r + 3| = 1$$

$$103) |p + 1| = 0$$

$$104) |6b| = 54$$

$$105) |n - 4| = -6$$

$$106) |k - 4| = 10$$

$$107) |6b| = 18$$

$$108) \left| \frac{n}{7} \right| = 3$$

$$109) |-2 + n| = 6$$

$$110) |8 + x| = -3$$

$$111) |-6a| = 42$$

$$112) |-2n| = -22$$

$$113) \quad |-3 + k| = 6$$

$$114) \quad |-9k| = 81$$

$$115) \quad |4b| = -16$$

$$116) \quad |n - 7| = 16$$

$$117) \quad |-9k| = 63$$

$$118) \quad |2 + m| = 2$$

$$119) \quad |x + 3| = -7$$

$$120) \quad |8k| = 56$$

$$121) |n - 4| = 4$$

$$122) |7 + n| = 3$$

$$123) |5k| = -40$$

$$124) |-5n| = 35$$

$$125) |7m| = -7$$

$$126) |k - 2| = 0$$

$$127) |5 + x| = 11$$

$$128) |-5 + v| = 3$$



$$129) |v - 3| = 0$$

$$130) |m - 2| = 3$$

$$131) \left| \frac{n}{5} \right| = 4$$

$$132) |n - 4| = 5$$

$$133) |-7r| = 63$$

$$134) |-2n| = 8$$

$$135) |m - 3| = -13$$

$$136) |n - 7| = 1$$

$$137) \left| \frac{v}{7} \right| = 3$$

$$138) |9p| = -54$$

$$139) |-4x| = 28$$

$$140) |m + 1| = -8$$

$$141) |a - 2| = 9$$

$$142) |n + 6| = 12$$

$$143) |k - 7| = -16$$

$$144) |a - 8| = 13$$

$$145) \left| \frac{k}{5} \right| = 0$$

$$146) |x - 1| = 1$$

$$147) |-9 + n| = 8$$

$$148) |-3p| = -30$$

$$149) |x + 3| = 7$$

$$150) |n + 8| = 13$$

$$151) |a + 6| = 3$$

$$152) |n + 1| = 7$$

$$153) |p - 7| = -10$$

$$154) |-5a| = 5$$

$$155) \left| \frac{n}{6} \right| = -2$$

$$156) |-8k| = 16$$

$$157) |-1 + r| = -2$$

$$158) |b + 9| = 0$$

$$159) \left| \frac{x}{5} \right| = 1$$

$$160) |-2x| = 6$$

$$161) \quad |-10p| = 120$$

$$162) \quad |10b| = 0$$

$$163) \quad |n - 17| = 14$$

$$164) \quad \left| \frac{x}{5} \right| = 5$$

$$165) \quad |p - 3| = 7$$

$$166) \quad \left| \frac{x}{6} \right| = 1$$

$$167) \quad \left| \frac{x}{8} \right| = 3$$

$$168) \quad |b + 1| = -16$$

$$169) \left| \frac{r}{6} \right| = 7$$

$$170) |-6 + x| = 7$$

$$171) |-19n| = 19$$

$$172) |-4b| = 24$$

$$173) |p - 5| = 4$$

$$174) |x + 1| = 0$$

$$175) |n + 17| = -5$$

$$176) \left| \frac{m}{3} \right| = 8$$

$$177) |2x| = 4$$

$$178) |r - 9| = 11$$

$$179) |n + 4| = 17$$

$$180) |p + 2| = 12$$

$$181) |x + 15| = 10$$

$$182) |b + 10| = 9$$

$$183) |x - 6| = 12$$

$$184) |-14 + a| = 21$$

$$185) |r - 18| = -7$$

$$186) |m - 7| = 9$$

$$187) |-4 + n| = 0$$

$$188) |v - 2| = -4$$

$$189) |v - 19| = 14$$

$$190) |n - 9| = 14$$

$$191) \left| \frac{m}{19} \right| = 6$$

$$192) \left| \frac{x}{11} \right| = 9$$



$$193) |n + 6| = -6$$

$$194) \left| \frac{x}{11} \right| = 5$$

$$195) |-4n| = 44$$

$$196) |b + 10| = 15$$

$$197) |b + 6| = 1$$

$$198) \left| \frac{r}{14} \right| = 9$$

$$199) |b - 15| = 2$$

$$200) |11x| = 220$$

$$201) \left| \frac{x}{20} \right| = -10$$

$$202) |3v| = -33$$

$$203) \left| \frac{a}{5} \right| = -1$$

$$204) |-2 + v| = 12$$

$$205) |n - 18| = 32$$

$$206) |a + 16| = -1$$

$$207) \left| \frac{k}{12} \right| = 7$$

$$208) \left| \frac{b}{10} \right| = 6$$

$$209) \left| \frac{r}{9} \right| = 1$$

$$210) \left| -19n \right| = 57$$

$$211) \left| \frac{x}{6} \right| = 10$$

$$212) \left| 2x \right| = 12$$

$$213) \left| 9b \right| = 45$$

$$214) \left| -14n \right| = 0$$

$$215) \left| r + 1 \right| = -15$$

$$216) \left| p + 9 \right| = 9$$

$$217) |10b| = 110$$

$$218) \left| \frac{a}{9} \right| = 9$$

$$219) \left| \frac{m}{16} \right| = 6$$

$$220) |-3b| = 45$$

$$221) \left| \frac{x}{12} \right| = 4$$

$$222) |10b| = 180$$

$$223) |x + 7| = -9$$

$$224) |-16b| = -32$$

$$225) |m + 11| = 16$$

$$226) |a + 17| = 29$$

$$227) |7m| = 77$$

$$228) |14n| = 56$$

$$229) \left| \frac{m}{13} \right| = 1$$

$$230) |6p| = 12$$

$$231) \left| \frac{x}{3} \right| = 5$$

$$232) |v + 16| = 7$$

$$233) \left| \frac{m}{15} \right| = 1$$

$$234) |17x| = 272$$

$$235) \left| \frac{b}{7} \right| = 10$$

$$236) \left| \frac{k}{19} \right| = 1$$

$$237) |x + 7| = 14$$

$$238) |x + 16| = 0$$

$$239) \left| \frac{a}{16} \right| = 4$$

$$240) \left| \frac{x}{9} \right| = -4$$

$$241) \left| \frac{n}{2} \right| = 6$$

$$242) |p - 15| = 4$$

$$243) \left| \frac{n}{6} \right| = 2$$

$$244) |3 + v| = 17$$

$$245) |3r| = 33$$

$$246) |x - 6| = 5$$

$$247) \left| \frac{a}{17} \right| = 8$$

$$248) |3 + k| = 7$$

$$249) \quad |-6 + b| = 12$$

$$250) \quad \left| \frac{k}{15} \right| = 4$$

$$251) \quad |-15x| = 285$$

$$252) \quad |-5r| = -5$$

$$253) \quad |-2 + n| = 6$$

$$254) \quad |18 + m| = 6$$

$$255) \quad |n + 11| = 12$$

$$256) \quad |n + 11| = 7$$



$$257) \left| \frac{r}{3} \right| = 3$$

$$258) |r - 2| = 18$$

$$259) \left| \frac{r}{4} \right| = 6$$

$$260) |x - 18| = 14$$

$$261) \frac{|x|}{3} = 2$$

$$262) |a| + 2 = -4$$

$$263) -8|a| = 0$$

$$264) |b| + 9 = 16$$

$$265) |x| - 4 = 4$$

$$266) |n| + 9 = 11$$

$$267) 7|p| = 42$$

$$268) \frac{|m|}{2} = 4$$

$$269) -3 + |m| = 1$$

$$270) \frac{|v|}{9} = 3$$

$$271) |x| - 1 = -2$$

$$272) |r| - 2 = 3$$

$$273) |x| + 4 = 7$$

$$274) 4 + |x| = -1$$

$$275) -8|p| = -72$$

$$276) |k| - 2 = 7$$

$$277) |x| + 3 = 12$$

$$278) |x| + 2 = 2$$

$$279) 9|p| = 45$$

$$280) |m| + 7 = -3$$

$$281) |x| - 7 = -5$$

$$282) -7|v| = -14$$

$$283) |n| + 9 = 15$$

$$284) |p| - 2 = 6$$

$$285) |a| + 8 = 14$$

$$286) 9|a| = 54$$

$$287) 3|p| = 24$$

$$288) \frac{|n|}{7} = -2$$

$$289) 3|p| = -27$$

$$290) -8|r| = -16$$

$$291) |x| - 6 = -17$$

$$292) |r| + 3 = 10$$

$$293) 2|n| = 4$$

$$294) |v| + 3 = 12$$

$$295) |k| - 6 = -12$$

$$296) -5|n| = -20$$

$$297) -7|v| = -21$$

$$298) -5|k| = -45$$

$$299) -4 + |x| = -3$$

$$300) 9|n| = 81$$

$$301) 8 + |r| = 14$$

$$302) 2 + |x| = 10$$

$$303) -9|v| = -54$$

$$304) |a| + 7 = 8$$

$$305) -6|a| = -24$$

$$306) 4|n| = 8$$

$$307) |n| + 5 = 13$$

$$308) |n| - 2 = 1$$

$$309) |m| - 6 = 2$$

$$310) \frac{|x|}{5} = 1$$

$$311) 3|p| = 12$$

$$312) |b| + 8 = 11$$

$$313) \frac{|p|}{9} = 0$$

$$314) |n| - 8 = -1$$

$$315) |k| + 7 = 13$$

$$316) -3|n| = -9$$

$$317) 6|m| = 48$$

$$318) -2|x| = -12$$

$$319) -6|x| = 6$$

$$320) 2|n| = -8$$



$$321) 7|b| = 21$$

$$322) |x| - 2 = 0$$

$$323) 4|n| = 16$$

$$324) 9|x| = 18$$

$$325) 5|p| = 5$$

$$326) |x| + 4 = 6$$

$$327) |m| - 3 = -6$$

$$328) 5|k| = 10$$

$$329) |a| - 8 = -6$$

$$330) |b| - 4 = -7$$

$$331) 8|v| = -32$$

$$332) |x| + 3 = 9$$

$$333) -5|p| = -40$$

$$334) |x| + 2 = 5$$

$$335) -8|v| = -48$$

$$336) 3|n| = 9$$

$$337) -5|b| = -10$$

$$338) |p| - 9 = -8$$

$$339) 4|p| = 32$$

$$340) |x| + 1 = 4$$

$$341) |m| - 4 = -2$$

$$342) -4|a| = -36$$

$$343) 5|k| = 40$$

$$344) 9|a| = 36$$

$$345) 8|p| = 72$$

$$346) |b| + 9 = 17$$

$$347) -7|m| = -56$$

$$348) \frac{|x|}{3} = -1$$

$$349) 3 + |m| = -7$$

$$350) |x| - 9 = -9$$

$$351) |b| - 7 = -5$$

$$352) -2 + |x| = 5$$

$$353) 6|m| = -42$$

$$354) 8 + |x| = 9$$

$$355) 1 + |n| = 3$$

$$356) \frac{|n|}{3} = -4$$

$$357) -8 + |n| = -8$$

$$358) |n| - 6 = -15$$

$$359) -2|a| = -4$$

$$360) -2|x| = -18$$

$$361) -11|v| = 0$$

$$362) |x| - 12 = -6$$

$$363) -4|n| = -56$$

$$364) |a| + 19 = 32$$

$$365) \frac{|x|}{5} = 10$$

$$366) \frac{|k|}{2} = -10$$

$$367) -2|n| = -14$$

$$368) |m| + 17 = 11$$

$$369) |v| + 9 = 17$$

$$370) \frac{|x|}{17} = 2$$

$$371) -8 + |n| = 6$$

$$372) \frac{|r|}{10} = 8$$

$$373) \frac{|b|}{7} = 6$$

$$374) -5|x| = -80$$

$$375) 6|n| = 18$$

$$376) -6|x| = -90$$

$$377) \frac{|n|}{18} = 1$$

$$378) 18|n| = 126$$

$$379) -5|k| = -15$$

$$380) |k| + 15 = 31$$

$$381) \frac{|x|}{10} = 7$$

$$382) |p| + 9 = 28$$

$$383) -9|n| = -9$$

$$384) |b| + 8 = 22$$



$$385) -8|p| = 160$$

$$386) 10|x| = -210$$

$$387) |x| - 19 = -16$$

$$388) |a| + 18 = 25$$

$$389) 18 + |k| = 24$$

$$390) |r| + 6 = 8$$

$$391) -16|n| = -176$$

$$392) |a| - 1 = 7$$

$$393) |b| + 15 = 34$$

$$394) |b| - 11 = -4$$

$$395) |x| + 18 = 26$$

$$396) |b| - 10 = -19$$

$$397) \frac{|p|}{7} = -8$$

$$398) |n| - 19 = 1$$

$$399) |b| - 12 = -17$$

$$400) |n| - 5 = 0$$

$$401) -15|r| = -270$$

$$402) -5 + |x| = 1$$

$$403) \frac{|n|}{8} = 9$$

$$404) 8|x| = 128$$

$$405) 11|n| = -110$$

$$406) 18|x| = 306$$

$$407) |n| - 10 = -5$$

$$408) -7|n| = 7$$

$$409) \frac{|k|}{5} = 0$$

$$410) \frac{|x|}{11} = -5$$

$$411) 12 + |n| = 26$$

$$412) |m| - 13 = -11$$

$$413) 13|a| = 143$$

$$414) |n| + 1 = -4$$

$$415) \frac{|p|}{2} = 4$$

$$416) |x| + 19 = 19$$

$$417) 20|x| = 60$$

$$418) 9 + |r| = 21$$

$$419) -12|x| = -240$$

$$420) -13|b| = -182$$

$$421) \frac{|m|}{20} = -7$$

$$422) 4|n| = 72$$

$$423) -7|k| = -140$$

$$424) -14|p| = -266$$

$$425) -7|b| = -21$$

$$426) -12|m| = -108$$

$$427) \frac{|x|}{17} = 5$$

$$428) |p| - 15 = -9$$

$$429) |x| + 2 = 16$$

$$430) 6|p| = 6$$

$$431) -12|n| = 144$$

$$432) |b| - 8 = 2$$

$$433) |a| + 1 = 14$$

$$434) |x| + 14 = 34$$

$$435) -3|x| = 12$$

$$436) |x| - 20 = -1$$

$$437) |x| + 19 = -1$$

$$438) \frac{|v|}{14} = -2$$

$$439) -1 + |a| = 5$$

$$440) -6|a| = -120$$

$$441) |n| + 18 = 19$$

$$442) \frac{|k|}{4} = 3$$

$$443) \frac{|m|}{10} = -3$$

$$444) |x| - 16 = -5$$

$$445) -6 + |x| = 12$$

$$446) |n| - 14 = 5$$

$$447) \frac{|x|}{7} = -4$$

$$448) |n| + 6 = 13$$



$$449) |x| - 9 = -12$$

$$450) |x| - 7 = -29$$

$$451) 18|r| = 36$$

$$452) |n| - 13 = -2$$

$$453) |p| - 14 = -3$$

$$454) |x| - 13 = -22$$

$$455) -14|m| = 252$$

$$456) 18|n| = 90$$

$$457) 19|k| = 171$$

$$458) -18|a| = -252$$

$$459) |x| - 7 = 3$$

$$460) |x| + 7 = 16$$

**Solve equations with two operations:**

$$461) -8|x - 9| = -64$$

$$462) \frac{|-8 + v|}{5} = -3$$

$$463) -2|p - 5| = -20$$

$$464) \frac{|n - 2|}{3} = 3$$

$$465) |b - 4| + 2 = 6$$

$$466) \left| \frac{m}{5} \right| - 9 = -8$$

$$467) |-5 + p| - 2 = 10$$

$$468) 3 \left| \frac{x}{5} \right| = 3$$

$$469) |-2r| + 6 = -4$$

$$470) -2|-6n| = -12$$

$$471) |-5x| - 5 = 10$$

$$472) 2 \left| \frac{m}{9} \right| = 2$$

$$473) \left| \frac{k}{9} \right| - 3 = -2$$

$$474) |-5v| + 9 = 24$$

$$475) \frac{|x-3|}{6} = 3$$

$$476) \frac{|n+3|}{8} = 3$$

$$477) -7 + \left| \frac{k}{4} \right| = -6$$

$$478) |5x| - 6 = 39$$

$$479) \left| \frac{n}{5} \right| - 8 = -7$$

$$480) -9 + |p-1| = -4$$

$$481) \quad |-7a| - 6 = 22$$

$$482) \quad 4|x + 6| = -12$$

$$483) \quad 6 + |-2n| = 14$$

$$484) \quad 5 + |1 + n| = 13$$

$$485) \quad |-6n| + 6 = -12$$

$$486) \quad -8|k + 2| = -40$$

$$487) \quad 4\left|\frac{n}{5}\right| = 4$$

$$488) \quad 3|2x| = 6$$

$$489) -2 \left| \frac{a}{3} \right| = -6$$

$$490) \frac{|p-6|}{4} = 2$$

$$491) |-5n| - 6 = -16$$

$$492) 6|k+3| = 24$$

$$493) -2|-8m| = -64$$

$$494) -7|v+5| = -21$$

$$495) 9|-7p| = 63$$

$$496) 2|n+4| = 0$$

$$497) |n - 1| - 6 = -5$$

$$498) \frac{|x - 7|}{4} = 4$$

$$499) -4 + |x - 7| = -2$$

$$500) |-3 + x| + 8 = 8$$

$$501) \frac{|n + 8|}{6} = -2$$

$$502) 9 + |-5 + v| = 19$$

$$503) |n - 8| - 9 = 8$$

$$504) |a + 3| - 5 = -6$$

$$505) \frac{|2x|}{6} = 1$$

$$506) -5 + |5x| = 0$$

$$507) -4 \left| \frac{m}{2} \right| = 16$$

$$508) \frac{|-8 + x|}{2} = 4$$

$$509) |-2p| - 6 = 12$$

$$510) \frac{|a + 4|}{5} = 4$$

$$511) -2|m - 9| = -16$$

$$512) -3|b + 2| = -3$$



$$513) -9 \left| \frac{x}{9} \right| = 3$$

$$514) 5 + |k + 6| = 1$$

$$515) |n + 7| - 1 = -5$$

$$516) \frac{|6r|}{6} = 1$$

$$517) |7n| - 1 = 6$$

$$518) 8|5a| = 80$$

$$519) |5x| + 8 = 23$$

$$520) 9|n - 1| = 36$$

$$521) -7|-5p| = -70$$

$$522) |5 + v| + 2 = 4$$

$$523) |b + 6| - 2 = 8$$

$$524) \frac{|a - 1|}{7} = -2$$

$$525) |n - 7| + 2 = 13$$

$$526) \frac{|x + 8|}{3} = 1$$

$$527) -6|2r| = -12$$

$$528) \frac{|m - 8|}{9} = -4$$

$$529) |n + 9| + 9 = 13$$

$$530) 6 \left| \frac{r}{3} \right| = -18$$

$$531) \left| \frac{p}{5} \right| + 8 = 7$$

$$532) |x + 8| - 7 = 4$$

$$533) |n + 3| + 1 = 11$$

$$534) 9|n + 7| = 0$$

$$535) \frac{|7x|}{5} = 4$$

$$536) \frac{|9 + x|}{6} = 4$$

$$537) -7|-7m| = 0$$

$$538) -7 + |-3x| = 14$$

$$539) \left| \frac{k}{4} \right| + 2 = 4$$

$$540) -7|3k| = 42$$

$$541) |6 + m| - 6 = 7$$

$$542) -7|-3n| = -63$$

$$543) 2 + \left| \frac{n}{3} \right| = 0$$

$$544) 8|b - 6| = 80$$

$$545) |m + 9| - 7 = 9$$

$$546) -4 + |m + 1| = 1$$

$$547) \left| \frac{a}{3} \right| - 3 = -4$$

$$548) \left| \frac{x}{8} \right| + 3 = 4$$

$$549) |a - 2| + 3 = 9$$

$$550) -4 \left| \frac{x}{8} \right| = -1$$

$$551) |a - 6| - 4 = -2$$

$$552) -3|4 + n| = -15$$

$$553) \frac{|-1+n|}{5} = 2$$

$$554) -8|1+v| = -56$$

$$555) |n+3| - 9 = -2$$

$$556) |v-3| + 7 = 13$$

$$557) 2\left|\frac{m}{8}\right| = 1$$

$$558) \left|\frac{x}{4}\right| - 2 = -3$$

$$559) -2|-2n| = -16$$

$$560) 5 + \left|\frac{m}{8}\right| = 6$$

$$561) \left| \frac{x}{12} \right| + 13 = 14$$

$$562) \left| \frac{r}{18} \right| + 5 = 6$$

$$563) \frac{|v + 14|}{19} = 2$$

$$564) |x + 16| - 13 = 23$$

$$565) 3|n + 19| = 51$$

$$566) 8 + |x - 20| = 36$$

$$567) 16|a - 5| = -112$$

$$568) \frac{|-20k|}{12} = 3$$

$$569) \frac{|8k|}{4} = 0$$

$$570) 16 + \left| \frac{n}{11} \right| = 17$$

$$571) \frac{|x - 14|}{13} = 8$$

$$572) \frac{|18x|}{14} = 7$$

$$573) \frac{|-11r|}{19} = 6$$

$$574) 1 + \left| \frac{n}{17} \right| = 2$$

$$575) \frac{|9x|}{16} = 3$$

$$576) 2 + \left| \frac{a}{13} \right| = 3$$



$$577) |12 + m| - 9 = 2$$

$$578) 4|16n| = 256$$

$$579) -19|-1 + a| = 0$$

$$580) |a + 8| + 2 = 22$$

$$581) -4|4x| = -80$$

$$582) |13v| - 3 = 192$$

$$583) 3|x + 20| = 108$$

$$584) -8\left|\frac{m}{7}\right| = 24$$

$$585) -4|11n| = -352$$

$$586) |-8p| + 20 = 92$$

$$587) \frac{|15p|}{20} = 7$$

$$588) \left| \frac{k}{11} \right| + 15 = 16$$

$$589) \left| \frac{x}{9} \right| - 4 = -3$$

$$590) |r - 20| - 14 = 15$$

$$591) 12 \left| \frac{n}{3} \right| = 36$$

$$592) \frac{|-17a|}{3} = 6$$

$$593) \left| \frac{x}{18} \right| + 17 = 18$$

$$594) \frac{|p+11|}{10} = 7$$

$$595) |-17+k| + 3 = 1$$

$$596) -10 \left| \frac{p}{19} \right| = 10$$

$$597) -12 \left| \frac{x}{4} \right| = -15$$

$$598) -13 + \left| \frac{n}{15} \right| = -12$$

$$599) |10n| + 2 = 192$$

$$600) 5 + |11+p| = 14$$

$$601) -15 + |-7k| = 83$$

$$602) |n - 7| - 5 = 1$$

$$603) |6 + a| - 19 = -8$$

$$604) \frac{|-10 + a|}{14} = 5$$

$$605) 4|15x| = 0$$

$$606) \frac{|-16 + b|}{19} = 10$$

$$607) -11 \left| \frac{v}{6} \right| = 0$$

$$608) -16|k + 19| = 16$$

$$609) \frac{|-18 + a|}{7} = 5$$

$$610) |-19 + r| + 1 = -1$$

$$611) \frac{|k - 20|}{7} = -10$$

$$612) |10 + x| - 13 = 7$$

$$613) 19|b - 4| = 95$$

$$614) \frac{|1 + v|}{10} = -5$$

$$615) \left| \frac{b}{8} \right| - 1 = 0$$

$$616) |x + 13| - 3 = 3$$

$$617) -8 + |b + 11| = -8$$

$$618) |n - 20| - 12 = -11$$

$$619) \frac{|7p|}{9} = 10$$

$$620) \left| \frac{a}{18} \right| - 4 = -3$$

$$621) \frac{|-17a|}{10} = 9$$

$$622) -4 \left| \frac{n}{18} \right| = -4$$

$$623) |n + 20| - 10 = 20$$

$$624) |5x| - 20 = 50$$

$$625) |b - 10| - 16 = 9$$

$$626) \frac{|b + 15|}{12} = -5$$

$$627) |-6n| + 10 = 40$$

$$628) |20n| - 13 = 27$$

$$629) -8|x - 2| = -88$$

$$630) 20|x + 7| = 440$$

$$631) 5 + |-8x| = 93$$

$$632) 5 \left| \frac{x}{10} \right| = 7$$

$$633) |n - 17| + 15 = 40$$

$$634) -12|v + 4| = -276$$

$$635) -12|x + 13| = -72$$

$$636) \left| \frac{n}{4} \right| - 13 = -8$$

$$637) |-13n| + 8 = 138$$

$$638) -9 \left| \frac{r}{19} \right| = -9$$

$$639) 3|13k| = -273$$

$$640) -1 + |n - 2| = 10$$



$$641) -6 + |-16x| = 234$$

$$642) |-18 + x| + 10 = 40$$

$$643) \left| \frac{n}{19} \right| + 11 = 12$$

$$644) 3 + \left| \frac{v}{16} \right| = 4$$

$$645) -4|b + 11| = 32$$

$$646) \frac{|k - 4|}{11} = 4$$

$$647) -14|n - 19| = 336$$

$$648) \frac{|a + 16|}{5} = 1$$

$$649) \left| \frac{a}{13} \right| + 16 = 16$$

$$650) \left| \frac{m}{11} \right| - 7 = -6$$

$$651) |b + 7| + 2 = 7$$

$$652) |-19 + x| + 14 = 35$$

$$653) \frac{|x - 15|}{5} = 6$$

$$654) -3 + \left| \frac{n}{7} \right| = -2$$

$$655) 10|x + 6| = -150$$

$$656) 10|-3 + v| = 0$$

$$657) \frac{|n-1|}{18} = 4$$

$$658) -7 + |v-15| = 26$$

$$659) |n+11| + 13 = 15$$

$$660) |v+10| - 18 = -11$$

**Solve equations with three operations:**

$$661) -7|4+r| = -7$$

$$662) |6k+4| + 5 = 15$$

$$663) |1-3m| + 7 = 21$$

$$664) -7|3+3x| = -21$$

$$665) \frac{|4 + 6p|}{6} = 0$$

$$666) 1 + |-5n + 2| = 28$$

$$667) \frac{|1 + 6n|}{7} = 1$$

$$668) |3x - 4| + 7 = 7$$

$$669) \frac{|2b - 2|}{4} = 1$$

$$670) \frac{|5n + 3|}{5} = 2$$

$$671) |7x - 6| - 3 = 38$$

$$672) \frac{|2 - 4n|}{5} = 1$$

$$673) \frac{|1 - 6x|}{3} = 1$$

$$674) \frac{|6 + 4p|}{7} = 3$$

$$675) 7|2x + 3| = 35$$

$$676) |v - 6| - 6 = 0$$

$$677) \frac{|4 + 3a|}{3} = 1$$

$$678) |2x + 5| - 6 = -5$$

$$679) 7|7n - 1| = 7$$

$$680) |6b - 3| + 4 = 49$$

$$681) \frac{|-4 - v|}{7} = 1$$

$$682) \frac{|6x + 4|}{5} = -3$$

$$683) |3x + 6| + 3 = -3$$

$$684) 5|6x + 3| = 45$$

$$685) -2|3b - 2| = -14$$

$$686) |-3k - 7| + 7 = 32$$

$$687) \frac{|7p - 7|}{3} = 1$$

$$688) |6 - 5m| + 7 = 16$$

$$689) \frac{|7x + 7|}{6} = 0$$

$$690) |-4n - 1| - 7 = 16$$

$$691) 5 + |-2a + 1| = 12$$

$$692) |7a + 3| + 5 = 29$$

$$693) |2x + 3| - 6 = -3$$

$$694) -7 + |-3x - 7| = 12$$

$$695) \frac{|-5m - 2|}{2} = 2$$

$$696) \frac{|3 + 4n|}{5} = 1$$

$$697) 2|7n + 5| = 24$$

$$698) |x + 4| - 5 = -2$$

$$699) |7x + 5| + 5 = 42$$

$$700) |7x + 6| + 6 = 7$$

$$701) \frac{|7 - 3p|}{6} = 3$$

$$702) \frac{|4 - 3a|}{3} = 1$$

$$703) -3|2r - 1| = -21$$

$$704) |2 + 3p| - 1 = 1$$



$$705) 5 + |5 - 2x| = 2$$

$$706) |4m + 2| - 7 = 15$$

$$707) |3n + 6| + 2 = 17$$

$$708) -7|2 - 2x| = -28$$

$$709) \frac{|5 - 5n|}{4} = 2$$

$$710) 2|-5n - 7| = 16$$

$$711) |-7n - 5| + 2 = 25$$

$$712) \frac{|3 - 6m|}{6} = 1$$

$$713) \frac{|3n + 6|}{3} = -1$$

$$714) -6|x + 3| = 18$$

$$715) |7 + 2b| - 5 = 14$$

$$716) |7m - 2| - 1 = 1$$

$$717) -2|1 + v| = -16$$

$$718) -7|5 - 6v| = -35$$

$$719) |4a + 5| + 4 = 25$$

$$720) |x + 2| - 2 = 5$$

$$721) |3k - 3| - 5 = 4$$

$$722) 5 + |-7v + 5| = 3$$

$$723) 2|-1 - 5n| = 28$$

$$724) -2|-4a - 3| = -46$$

$$725) -5|5x + 7| = -10$$

$$726) |p - 5| - 6 = 0$$

$$727) -5|4n - 7| = -45$$

$$728) 5 + |7p - 5| = 24$$

$$729) -2|1 - x| = -10$$

$$730) |-7 + 2x| + 7 = 22$$

$$731) |7v - 6| - 6 = 49$$

$$732) 6|1 - 3a| = 24$$

$$733) 4|6x + 5| = -4$$

$$734) -6|-6 + 4x| = -12$$

$$735) |2n + 5| + 5 = -2$$

$$736) \frac{|-4a + 6|}{5} = 3$$

$$737) |4b + 4| + 2 = 18$$

$$738) 4|x - 2| = 16$$

$$739) 6|7a + 2| = 30$$

$$740) 2|6n + 5| = 26$$

$$741) \frac{|x - 3|}{6} = 1$$

$$742) \frac{|7 - 5n|}{4} = 3$$

$$743) |4x - 6| - 3 = 11$$

$$744) |3 + 5n| - 6 = 12$$

$$745) 2|-2 - 3x| = 20$$

$$746) |-6n + 5| + 6 = 53$$

$$747) -4|1 + 3b| = -8$$

$$748) |7v - 3| + 4 = 8$$

$$749) |2x - 1| + 4 = 15$$

$$750) |6 - 2v| - 1 = 1$$

$$751) |3r - 2| - 5 = 3$$

$$752) \frac{|3 - n|}{3} = -2$$

$$753) \frac{|-7 + 6b|}{7} = -3$$

$$754) 3|4 + x| = 15$$

$$755) -4|-3r - 3| = -12$$

$$756) \frac{|5x - 3|}{3} = 1$$

$$757) |-7 + 2n| + 6 = 17$$

$$758) \frac{|-6 - 5r|}{6} = -1$$

$$759) |2p - 5| - 3 = 16$$

$$760) |2 - 5n| + 4 = 22$$

$$761) |10 - 3k| - 10 = -9$$

$$762) |12r + 8| + 9 = 113$$

$$763) -3 + |4x + 12| = -19$$

$$764) |-3v - 12| + 8 = 26$$

$$765) |8 - 9x| + 5 = 121$$

$$766) \frac{|4 + 8r|}{9} = 2$$

$$767) 4|-11 + 3n| = 140$$

$$768) \frac{|8k - 11|}{3} = -6$$



$$769) \frac{|3 + 12x|}{2} = 6$$

$$770) -9 + |9p - 2| = -9$$

$$771) \frac{|5x + 5|}{10} = -4$$

$$772) -5 + |3 - 4n| = 22$$

$$773) |-5 + 2p| - 11 = -11$$

$$774) |2x - 1| - 10 = 5$$

$$775) |9n - 12| - 11 = 13$$

$$776) |5 - 12k| - 4 = -35$$

$$777) -4|11m + 9| = -124$$

$$778) -4|5m + 8| = -128$$

$$779) |2 - 6r| + 1 = 63$$

$$780) 7 + |3m + 8| = -15$$

$$781) -12|11 + x| = -60$$

$$782) -4|1 + 6m| = -92$$

$$783) \frac{|11k + 6|}{6} = 6$$

$$784) \frac{|2 + 8v|}{5} = 1$$

$$785) -5|4m - 9| = -95$$

$$786) -9|10 + 4p| = -90$$

$$787) \frac{|-1 - 3x|}{2} = 0$$

$$788) |5x + 5| + 5 = 30$$

$$789) \frac{|-10 + x|}{6} = 5$$

$$790) 10 + |12 + 6a| = 28$$

$$791) \frac{|5k - 2|}{7} = 2$$

$$792) 7 + |3 + 7p| = 80$$

$$793) \quad |-11k - 12| - 4 = 85$$

$$794) \quad \frac{|-7p - 9|}{7} = 2$$

$$795) \quad |3 + 9x| - 9 = -33$$

$$796) \quad 8 + |7x - 4| = 12$$

$$797) \quad \frac{|7n + 6|}{6} = 3$$

$$798) \quad |11 + 10a| - 4 = 45$$

$$799) \quad |7a + 3| + 12 = 99$$

$$800) \quad |10 + 2n| + 4 = -10$$

$$801) -10|7x + 3| = -110$$

$$802) |5x + 8| - 12 = -12$$

$$803) |6x + 4| - 10 = -18$$

$$804) 5|5 + k| = 50$$

$$805) \frac{|-3 - 11k|}{11} = -1$$

$$806) 7|12p - 3| = 105$$

$$807) \frac{|9r - 11|}{7} = 5$$

$$808) |-4r - 11| - 5 = 46$$

$$809) \frac{|-12v + 9|}{9} = 0$$

$$810) |7x + 11| + 7 = 24$$

$$811) |6r - 12| - 12 = 42$$

$$812) 10|12b - 3| = 150$$

$$813) 11|12 - 11a| = 11$$

$$814) 11|11 + 7n| = 44$$

$$815) |-5n - 6| - 12 = -12$$

$$816) -10 + |12 - 4b| = -50$$

$$817) 8|-11x - 4| = 120$$

$$818) |-5n - 5| + 11 = 56$$

$$819) -8|7 - 11b| = 0$$

$$820) 4 + |5x + 8| = 21$$

$$821) \frac{|6n - 4|}{10} = 3$$

$$822) |7 - 10x| + 3 = 76$$

$$823) \frac{|m - 11|}{8} = 6$$

$$824) \frac{|11x + 2|}{2} = 6$$

$$825) \frac{|3m + 4|}{4} = 2$$

$$826) \frac{|-11k - 8|}{12} = 3$$

$$827) -1 + |-7 - 6x| = 46$$

$$828) |-8k + 7| + 11 = 50$$

$$829) |12 + 9r| - 1 = 119$$

$$830) |-v + 6| - 4 = 1$$

$$831) 8 + |10n + 11| = 59$$

$$832) \frac{|5b + 6|}{8} = 3$$



$$833) \frac{|7k + 11|}{3} = 2$$

$$834) |3 + 12n| + 6 = 69$$

$$835) 12 + |10 - x| = 16$$

$$836) |10b - 12| + 5 = 67$$

$$837) |11v + 8| - 5 = 31$$

$$838) 12 + |11n + 2| = 131$$

$$839) 2|-2b + 3| = 30$$

$$840) \frac{|5 + r|}{5} = 5$$

$$841) \frac{|x - 12|}{7} = -4$$

$$842) |6 + 12r| - 2 = 112$$

$$843) \frac{|12 - 9r|}{2} = 4$$

$$844) \frac{|11 - 11r|}{6} = 4$$

$$845) |n + 9| - 4 = 0$$

$$846) 5|4n - 10| = 90$$

$$847) -10 + |7a - 4| = -28$$

$$848) 11|8 + 5v| = 0$$

$$849) 5|12n + 3| = 105$$

$$850) \frac{|1 + 9v|}{2} = 2$$

$$851) |4x + 8| + 5 = 45$$

$$852) |5x + 10| + 7 = 32$$

$$853) \frac{|9b + 5|}{5} = 4$$

$$854) |5 - 10n| - 5 = 0$$

$$855) 4|9 - 6v| = 60$$

$$856) -1 + |11r + 2| = 122$$

$$857) 12|-5 - 11n| = 60$$

$$858) |12v + 9| - 9 = 42$$

$$859) 8|12 - 4n| = 128$$

$$860) \frac{|4v + 10|}{2} = -5$$

$$861) |-4 + x| + 5 = 12$$

$$862) 5\left|\frac{m}{4}\right| + 9 = -1$$

$$863) -7 + 10\left|\frac{p}{7}\right| = -17$$

$$864) 5|-5b| - 6 = 69$$

$$865) 6 \left| \frac{n}{10} \right| + 1 = -5$$

$$866) 2 - 7|n + 3| = -19$$

$$867) 11 \left| \frac{x}{3} \right| - 3 = 30$$

$$868) -5|a + 9| - 12 = -17$$

$$869) 7 \left| \frac{a}{7} \right| + 8 = 9$$

$$870) 7 - \left| \frac{n}{3} \right| = 4$$

$$871) 11 - 12 \left| \frac{a}{12} \right| = 6$$

$$872) 6|n + 5| + 4 = 16$$

$$873) 12|-7k| - 2 = 82$$

$$874) 12 - 12|-5 + v| = -156$$

$$875) 1 + 12|n - 7| = 61$$

$$876) 7|-6m| + 9 = 135$$

$$877) 9|-5 + n| - 3 = 15$$

$$878) 2|-9 + x| - 9 = -3$$

$$879) 4|x - 1| + 12 = 36$$

$$880) 6 + 11|n - 5| = 39$$

$$881) 9|6 + n| - 6 = 30$$

$$882) 12 + 6|r + 7| = 90$$

$$883) -7|-2x| - 7 = -133$$

$$884) -6 - 3|4x| = -114$$

$$885) 8|b - 12| - 10 = 38$$

$$886) 12 - 3|-9 + n| = -3$$

$$887) 4 + 6|6x| = 148$$

$$888) 1 - 10|8x| = 81$$

$$889) -10 - 2|-5n| = -40$$

$$890) 7|4r| + 6 = 90$$

$$891) 9|m - 12| + 2 = 20$$

$$892) 2 - 12|x + 9| = -118$$

$$893) -2 - 11|x + 11| = -134$$

$$894) 9|-7x| - 5 = 58$$

$$895) 12 + 4|1 + x| = 20$$

$$896) 7|n - 9| - 8 = 132$$



$$897) 8|m + 10| - 5 = 51$$

$$898) 4 - 9|n - 4| = -86$$

$$899) 5 + |x + 5| = 21$$

$$900) -10 - 11|12b| = -142$$

$$901) -10 + 11|-6k| = 56$$

$$902) -4\left|\frac{n}{4}\right| + 5 = 18$$

$$903) |p + 9| + 1 = 2$$

$$904) 11|k - 7| + 1 = 100$$

$$905) 1 + 2|n - 9| = 31$$

$$906) 11\left|\frac{m}{11}\right| + 7 = 14$$

$$907) -6|-12n| - 6 = -78$$

$$908) 10|n - 7| - 8 = 62$$

$$909) 6|-10r| + 5 = 125$$

$$910) 11 - 6|v - 4| = 89$$

$$911) -1 - 5|v + 7| = -26$$

$$912) 10 - 5|-12n| = 10$$

$$913) 10 + 10|-8x| = -70$$

$$914) \left| \frac{p}{7} \right| + 11 = 12$$

$$915) 5 - 9|-4 + x| = 14$$

$$916) |r - 4| - 9 = 1$$

$$917) 6 - 11|x + 5| = -27$$

$$918) -11 - 5|k + 11| = -76$$

$$919) 6 \left| \frac{m}{3} \right| - 4 = -4$$

$$920) -6 \left| \frac{n}{3} \right| - 3 = -3$$

$$921) 3|n + 4| - 9 = 12$$

$$922) |-5x| - 4 = 16$$

$$923) 2|n - 4| + 7 = 21$$

$$924) -12\left|\frac{b}{9}\right| + 2 = -2$$

$$925) 6\left|\frac{x}{11}\right| - 8 = -2$$

$$926) 7 + 5\left|\frac{x}{3}\right| = 7$$

$$927) -4|n + 10| + 9 = 9$$

$$928) -11 - 12|p + 1| = -131$$

$$929) 10 - 5|v - 1| = -15$$

$$930) 3|6x| - 7 = 29$$

$$931) 6 - 9\left|\frac{n}{10}\right| = 15$$

$$932) 2|x - 11| + 3 = 25$$

$$933) 6 - 6\left|\frac{b}{6}\right| = -1$$

$$934) 9|x - 4| + 1 = 73$$

$$935) -7|-10p| + 5 = -65$$

$$936) -5 + 2\left|\frac{v}{9}\right| = -3$$

$$937) 9 + 7|p + 11| = 51$$

$$938) 9\left|\frac{v}{5}\right| - 11 = -2$$

$$939) 11|4a| - 4 = 128$$

$$940) 10 - 10\left|\frac{x}{11}\right| = 0$$

$$941) |a + 2| - 8 = 1$$

$$942) 8 + 7\left|\frac{x}{9}\right| = 15$$

$$943) -3 - 10|n - 4| = -23$$

$$944) -|p + 7| + 8 = 10$$

$$945) -8|-9r| - 12 = -12$$

$$946) -2|n + 7| - 6 = -10$$

$$947) 10|n - 9| + 3 = 3$$

$$948) 8|2x| - 1 = 47$$

$$949) 4\left|\frac{b}{3}\right| - 8 = 4$$

$$950) 4 + 5\left|\frac{x}{8}\right| = 9$$

$$951) 2 + 6|x + 5| = 32$$

$$952) 9\left|\frac{m}{2}\right| + 5 = 14$$

$$953) 10|b + 3| + 6 = 116$$

$$954) 7 - 8|2 + n| = -33$$

$$955) 9|-2a| + 3 = 39$$

$$956) 2 + 7|b - 5| = 100$$

$$957) -|n - 4| + 3 = -11$$

$$958) -3|m - 10| + 5 = -22$$

$$959) -1 + 9|-11x| = 98$$

$$960) |-4 + r| - 10 = -5$$



$$961) -10|39n| + 30 = -750$$

$$962) 6 + 3|m + 33| = 120$$

$$963) 38|k - 24| + 14 = 90$$

$$964) 25|37p| - 13 = 912$$

$$965) 28|38 + x| - 3 = 893$$

$$966) 11|b - 6| + 13 = 200$$

$$967) 16|x + 24| - 36 = 172$$

$$968) 20\left|\frac{k}{25}\right| - 11 = 5$$

$$969) 23 + 6 \left| \frac{a}{33} \right| = 25$$

$$970) 30 + 3 |b + 3| = 39$$

$$971) 27 + 37 |m - 38| = 1433$$

$$972) 27 |34x| + 31 = 949$$

$$973) -16 - 35 |-22b| = -1556$$

$$974) 27 + 11 |21b| = 720$$

$$975) -20 |k - 2| - 26 = -106$$

$$976) 8 - 8 \left| \frac{n}{25} \right| = 0$$

$$977) 17 - 6|31r| = -1471$$

$$978) 20|n - 17| + 12 = 252$$

$$979) 27\left|\frac{x}{39}\right| - 37 = -10$$

$$980) 31|-38n| + 2 = 1180$$

$$981) 10 + 14|x + 13| = -144$$

$$982) 36|a + 12| - 35 = -1007$$

$$983) -7|b - 19| - 10 = -143$$

$$984) 40 + 6|22n| = 568$$

$$985) 7 - 31|x + 38| = -1295$$

$$986) 29|r + 1| + 11 = 446$$

$$987) 24 - 22|n + 25| = 2$$

$$988) 37|b + 9| + 16 = 1015$$

$$989) 16 + 27|6n| = 988$$

$$990) 13 - 13|a + 35| = -793$$

$$991) -8|n - 14| - 35 = -67$$

$$992) 21|b + 31| - 25 = 374$$

$$993) 36|x - 35| - 7 = 1613$$

$$994) 35 - 24|n + 8| = -13$$

$$995) 13|x - 27| - 21 = 135$$

$$996) 12|-21 + m| - 18 = 570$$

$$997) 27\left|\frac{x}{6}\right| + 22 = -113$$

$$998) 31 + 9\left|\frac{x}{17}\right| = 22$$

$$999) 16|x + 22| - 9 = 23$$

$$1000) 23|38 + m| + 12 = 1392$$

$$1001) 12 + 8|x - 10| = 396$$

$$1002) 28 - 17\left|\frac{n}{8}\right| = 96$$

$$1003) 20 + 38|8k| = 932$$

$$1004) 14 - 39|12x| = 482$$

$$1005) -40 - 39|n - 19| = -40$$

$$1006) 29 - 22\left|\frac{v}{17}\right| = 7$$

$$1007) 25|10 + x| + 1 = -199$$

$$1008) 24\left|\frac{n}{23}\right| - 15 = 9$$

$$1009) \quad |-26 + k| + 26 = 86$$

$$1010) \quad 8|n + 37| + 6 = 222$$

$$1011) \quad -30|m - 33| - 30 = -720$$

$$1012) \quad 13\left|\frac{v}{13}\right| + 3 = 12$$

$$1013) \quad -18 + 6|-30r| = 1602$$

$$1014) \quad 27 - 4|x - 32| = 155$$

$$1015) \quad 33 + 21|x + 21| = 1020$$

$$1016) \quad 31 + 2|35m| = 1501$$

$$1017) -19|n + 38| + 16 = -687$$

$$1018) 2|r - 31| + 35 = 135$$

$$1019) 9|25n| + 13 = 238$$

$$1020) 15\left|\frac{n}{9}\right| + 18 = 73$$

$$1021) 24 + 20|30p| = 624$$

$$1022) 34 + 12|n + 5| = -134$$

$$1023) 6|x - 8| + 21 = 207$$

$$1024) 34|28x| - 19 = 933$$



$$1025) 21 \left| \frac{k}{27} \right| + 32 = 53$$

$$1026) 40|x - 17| - 24 = 296$$

$$1027) 13 + \left| \frac{a}{8} \right| = 17$$

$$1028) 17 - 36 \left| \frac{p}{31} \right| = -19$$

$$1029) 6|v + 32| + 9 = 189$$

$$1030) 33 + 24|n - 7| = 777$$

$$1031) 26|-15r| - 12 = 378$$

$$1032) 24 + 3|b + 5| = 72$$

$$1033) 11 \left| \frac{n}{24} \right| - 16 = -5$$

$$1034) 26 + 29 |29p| = 867$$

$$1035) 11 \left| \frac{v}{2} \right| - 40 = -117$$

$$1036) 14 \left| \frac{x}{37} \right| - 40 = -26$$

$$1037) -30 - 36 \left| \frac{x}{33} \right| = -30$$

$$1038) 2 + 6 |-21 + r| = 254$$

$$1039) 32 + 14 \left| \frac{m}{32} \right| = 39$$

$$1040) 39 - 3 \left| \frac{p}{23} \right| = 36$$

$$1041) 31 \left| \frac{a}{14} \right| - 33 = 29$$

$$1042) -17 |19n| + 11 = -1281$$

$$1043) 40 |k + 7| - 8 = 1352$$

$$1044) 40 \left| \frac{n}{26} \right| + 10 = 50$$

$$1045) 26 - 22 |x - 25| = 444$$

$$1046) 10 - 2 |-11n| = -276$$

$$1047) -35 - |r + 2| = -53$$

$$1048) 40 |k + 29| - 35 = 1045$$

$$1049) 33 - 35|x - 29| = -1332$$

$$1050) 27|b + 17| + 29 = 650$$

$$1051) -22|b - 31| + 40 = -1192$$

$$1052) -32|x + 32| + 30 = 30$$

$$1053) -19\left|\frac{n}{15}\right| - 38 = -19$$

$$1054) 25 - 29|19r| = -1628$$

$$1055) 21 - 7\left|\frac{x}{20}\right| = 7$$

$$1056) -12|b - 7| - 5 = 343$$

$$1057) 24|b + 39| + 22 = 1342$$

$$1058) 36 + 35|-21 + x| = 316$$

$$1059) 12 - 27|-24p| = -1284$$

$$1060) 21 - 14\left|\frac{n}{26}\right| = 21$$

**Solve equations with four or more operations:**

$$1061) 8|4a + 1| + 4 = 44$$

$$1062) 6|7r - 4| - 3 = 15$$

$$1063) 3|-x - 2| - 4 = 8$$

$$1064) 4|2 - 8n| - 2 = 70$$

$$1065) 4|n - 2| + 6 = 10$$

$$1066) 3 - 4|x + 5| = -17$$

$$1067) 8|-5x - 4| - 8 = 64$$

$$1068) -8|n - 4| + 4 = 36$$

$$1069) -6|-5n - 2| + 4 = -44$$

$$1070) |-7 - 5a| + 4 = 2$$

$$1071) 7|7 - 5k| + 2 = 16$$

$$1072) 6 + 7|7 - 4x| = 41$$

$$1073) 8|2 + 7n| + 5 = 77$$

$$1074) 4|6k - 4| - 7 = 33$$

$$1075) -2|5 + 8v| + 1 = -5$$

$$1076) -3|2x - 8| - 5 = -53$$

$$1077) 8|2b - 1| - 6 = 34$$

$$1078) 2|4 - 5m| - 1 = 37$$

$$1079) 7|-r + 8| + 2 = 51$$

$$1080) 3 + 2|4n + 6| = 15$$

$$1081) 3|-1 - 8a| - 3 = 24$$

$$1082) 7 - 7|-2 - 4n| = -7$$

$$1083) 2 - 6|-3p + 4| = 14$$

$$1084) 4 - 2|7x - 8| = 62$$

$$1085) 7 - 6|-7x + 8| = -71$$

$$1086) -4|6 + 3x| - 3 = -51$$

$$1087) -1 + |7n + 4| = 23$$

$$1088) -5 - 5|-7 - 8k| = -80$$



$$1089) -5|5 + 6b| + 6 = -29$$

$$1090) 4|2 - p| + 8 = 28$$

$$1091) 5 - 2|x + 6| = -15$$

$$1092) 3|2x - 7| + 8 = 11$$

$$1093) 8|-m - 5| + 1 = 1$$

$$1094) -5 + 5|5 + n| = 30$$

$$1095) 2|8 + 5x| - 3 = 3$$

$$1096) 8|3n + 1| - 7 = 49$$

$$1097) 5|3m + 3| + 3 = 33$$

$$1098) 3 + 2|-7v + 3| = 51$$

$$1099) -8|8n + 8| + 5 = -59$$

$$1100) -6 + 2|-2x + 1| = 16$$

$$1101) 1 + |3 - 6x| = 52$$

$$1102) -3|-b - 3| + 5 = -13$$

$$1103) 4|a + 4| - 6 = 2$$

$$1104) 8|2p - 7| + 7 = 31$$

$$1105) 5|3x - 2| - 3 = 52$$

$$1106) 2|7 + 5x| - 1 = -1$$

$$1107) -4|1 - 5v| - 2 = -78$$

$$1108) -6|6 + 2n| - 5 = -5$$

$$1109) 3|-5 - r| + 4 = 19$$

$$1110) -8|-x - 1| + 6 = -2$$

$$1111) 8|-4n + 2| - 7 = 73$$

$$1112) -4 + 6|x + 4| = 2$$

$$1113) 5 - 3|3 + x| = -16$$

$$1114) 8|-6b + 6| - 4 = 44$$

$$1115) 4|4n - 4| - 6 = 10$$

$$1116) 2|4x + 5| + 7 = 7$$

$$1117) 8 + 3|4 + 4x| = 56$$

$$1118) -2 - 2|7 + 2x| = -4$$

$$1119) -5 + 7|-2k + 3| = 58$$

$$1120) 8 - 6|4 + 8x| = -16$$

$$1121) -4 - 7|-5 - 8b| = -25$$

$$1122) 4|6 + 3v| - 6 = 42$$

$$1123) 8 + 7|-7 + v| = 22$$

$$1124) 4|4x - 3| + 6 = -54$$

$$1125) -|7x - 2| - 5 = -42$$

$$1126) 3|2k - 3| - 7 = 38$$

$$1127) 8|-2n + 8| - 4 = 28$$

$$1128) -4 - 2|5x - 5| = -44$$

$$1129) 5 + |5 + 2n| = 24$$

$$1130) -6 - 7|-5n + 7| = -6$$

$$1131) -7|-7 - 4x| - 7 = -56$$

$$1132) -6|2 - 7x| - 2 = 28$$

$$1133) 2|v - 4| + 1 = 7$$

$$1134) 6 + 2|v + 6| = 30$$

$$1135) -2|8 - 5k| + 5 = 49$$

$$1136) 2|3k + 2| + 7 = -1$$

$$1137) -7|2n + 1| + 2 = -47$$

$$1138) 8 - 5|-6 - 2k| = 18$$

$$1139) 8|4x + 1| - 1 = 71$$

$$1140) -6 + 2|4 + 3p| = 10$$

$$1141) 8 + 4|8n - 8| = 40$$

$$1142) -5 + 7|7a - 5| = 58$$

$$1143) 3 - 5|7 + 6r| = 58$$

$$1144) 3 - 4|6 - 2n| = -53$$

$$1145) -3|4x + 2| - 2 = -56$$

$$1146) 4|3 + 6p| + 6 = -54$$

$$1147) 3|3x + 3| + 7 = 7$$

$$1148) 3 + 3|3 + 6m| = 12$$

$$1149) 4|8x + 7| - 8 = 28$$

$$1150) 3|6x - 7| - 7 = 14$$

$$1151) 8|2x + 6| - 1 = -49$$

$$1152) 8|-4p - 6| - 1 = 47$$



$$1153) 8|2p + 4| - 4 = -52$$

$$1154) 6 - |x - 3| = 6$$

$$1155) -4|2v + 3| + 4 = 24$$

$$1156) -1 + 5|3n + 3| = -61$$

$$1157) 5|6r + 6| - 8 = 22$$

$$1158) 5 - 8|k - 1| = 29$$

$$1159) |6x + 1| + 1 = 20$$

$$1160) -3 + |5x + 5| = 42$$

$$1161) 10|6n + 6| + 9 = 69$$

$$1162) 9 - 9|8 + 9n| = 0$$

$$1163) 9|-9 + 7k| + 7 = 115$$

$$1164) 5 - 10|-9 - 2x| = -5$$

$$1165) -5|-2r - 10| - 4 = -104$$

$$1166) 6|-9 + 2x| - 6 = 48$$

$$1167) 5|6x + 2| - 9 = 11$$

$$1168) 8 + 8|4n + 7| = 80$$

$$1169) 6|3 - 8x| + 9 = 87$$

$$1170) 3|5x - 8| - 3 = 51$$

$$1171) -6|6p - 1| + 9 = -93$$

$$1172) 2|-2a - 3| + 1 = 15$$

$$1173) -10 + 4|8x - 7| = -70$$

$$1174) 4 + 7|2v - 7| = -45$$

$$1175) 5|-8 + 2a| - 2 = 18$$

$$1176) -10|8b - 2| + 7 = -53$$

$$1177) |10x + 7| - 5 = 2$$

$$1178) |-8x - 6| - 2 = -24$$

$$1179) -5|4n - 10| + 10 = 10$$

$$1180) 10 + 7|3m - 2| = 24$$

$$1181) 5 + 10|10 - 2x| = 45$$

$$1182) -4 + 6|-1 - 3n| = -46$$

$$1183) 10 + 5|3 + 6a| = 55$$

$$1184) 10 - 4|-8b + 3| = -74$$

$$1185) 3 - 5|1 + 10m| = 98$$

$$1186) 5 + 8|-x + 1| = 53$$

$$1187) 2|x + 10| + 4 = 14$$

$$1188) 8 + 8|-2m + 8| = 120$$

$$1189) 5|2k - 6| + 5 = 55$$

$$1190) 2 - 3|6 + n| = -4$$

$$1191) 3|-3x + 10| + 4 = 7$$

$$1192) 6|2n + 5| + 2 = 104$$

$$1193) 8 - 3|10m - 4| = -10$$

$$1194) -3 - 4|1 - 6x| = -79$$

$$1195) 10|4m - 1| + 8 = 18$$

$$1196) 9|2x - 3| - 1 = -82$$

$$1197) |-2n + 1| + 10 = 1$$

$$1198) 1 - 4|2 + 3k| = 77$$

$$1199) 9 + 2|n + 10| = 43$$

$$1200) 9 - |5 - 9n| = -4$$

$$1201) 6|2 + 6a| - 6 = 78$$

$$1202) -7 + |10r - 1| = 64$$

$$1203) 10 - 4|9n - 7| = -18$$

$$1204) 2 - 2|10 - 3v| = 0$$

$$1205) 2|9 - 2x| + 9 = 59$$

$$1206) -|9n + 2| - 6 = -80$$

$$1207) 7|7 - 4n| - 3 = 60$$

$$1208) |m - 1| + 2 = 6$$

$$1209) 8|7 - 10k| + 5 = 61$$

$$1210) 4 + 9|-7x - 4| = 40$$

$$1211) 3 - |-6 + 6b| = 45$$

$$1212) 3 + 6|7n + 1| = 93$$

$$1213) 10|9x - 9| - 7 = 83$$

$$1214) -10|b - 10| - 4 = -34$$

$$1215) 7|6 - 4x| + 3 = 3$$

$$1216) 2|7 - 5b| + 1 = 17$$



$$1217) 5|-9x - 10| - 5 = -10$$

$$1218) 5|8 - 2v| + 9 = 59$$

$$1219) 2|2 + p| + 3 = 19$$

$$1220) 4|n - 8| - 5 = -1$$

$$1221) 8 + 8|2 + 4x| = 56$$

$$1222) -4|1 + 7x| + 2 = -78$$

$$1223) 2 + 3|2n - 5| = 77$$

$$1224) 10 - 5|9b - 1| = 5$$

$$1225) 10|-1 - 9p| + 10 = 20$$

$$1226) -3 + 6|3m - 10| = 45$$

$$1227) 4|-9b + 7| - 1 = 43$$

$$1228) -6 + 6|8m - 3| = 72$$

$$1229) 6|p + 7| - 3 = 27$$

$$1230) -|10x + 10| + 9 = -21$$

$$1231) -2 - |6x + 9| = -53$$

$$1232) 3|7x - 9| + 5 = 116$$

$$1233) 10|7x + 1| + 5 = 15$$

$$1234) -3|7 - 5k| - 10 = -106$$

$$1235) 6 + 6|-9 + 5x| = 42$$

$$1236) 4 - 8|7x + 9| = -36$$

$$1237) 2|p - 2| - 1 = 15$$

$$1238) 10 - 8|8p - 5| = -78$$

$$1239) 9|-4n - 6| - 4 = -22$$

$$1240) -9|6 - 6n| - 1 = 53$$

$$1241) -10 - 4|a + 8| = -62$$

$$1242) 10 + 2|5a + 10| = 40$$

$$1243) -4 - 4|9x - 10| = -108$$

$$1244) 2|5 + 3b| + 10 = 68$$

$$1245) 9 - 8|3 - 4r| = 1$$

$$1246) 4 - 4|7a + 10| = 48$$

$$1247) -9|-3x + 4| - 1 = -46$$

$$1248) 2 + 3|4b - 2| = -64$$

$$1249) 4|2n + 3| + 3 = 23$$

$$1250) |-5 + r| - 9 = -2$$

$$1251) -1 - 6|-1 + 3p| = -85$$

$$1252) 9 - 10|-2m + 2| = -111$$

$$1253) -9 - 4|2 + 5x| = -77$$

$$1254) -10 - 10|10n - 7| = -80$$

$$1255) 1 + 10|4x + 8| = 41$$

$$1256) 5 + 9|4 - 3v| = 41$$

$$1257) 4|-2 - 5k| - 7 = 101$$

$$1258) |6x - 3| + 6 = 27$$

$$1259) -2 + 4|5x + 2| = 110$$

$$1260) 2|8v + 2| + 6 = -38$$

$$1261) -19|8n - 3| - 20 = -77$$

$$1262) 13 + 8|-6r - 15| = 421$$

$$1263) 13|11 + 2k| + 16 = 55$$

$$1264) 5|2n - 9| + 4 = 79$$

$$1265) |18x - 16| - 7 = -7$$

$$1266) 18|17k + 15| - 16 = 20$$

$$1267) 10|-12 - 15x| + 18 = 48$$

$$1268) 4|-7 - 12n| - 9 = 403$$

$$1269) -13 + 5|19 + 9x| = 397$$

$$1270) 8|8 - 7p| + 12 = 12$$

$$1271) 7|-10n - 16| + 3 = 395$$

$$1272) 11 + 11|-5v - 6| = 165$$

$$1273) 2 - 10|18n + 9| = -268$$

$$1274) 15 - 20|-15x + 5| = 215$$

$$1275) 1 + 5|2a + 20| = 1$$

$$1276) 9|18 + 11n| + 17 = 278$$

$$1277) 18|20k + 1| - 2 = 16$$

$$1278) 2 - 17|11 - 20m| = 155$$

$$1279) 16 + 13|16 + 3p| = 432$$

$$1280) 10|19 - 14v| + 4 = 234$$



$$1281) 10|10v + 2| + 17 = 137$$

$$1282) 9|18 - 9n| - 1 = 404$$

$$1283) -17 + 15|12n - 7| = -302$$

$$1284) -3 - 2|-x + 15| = -29$$

$$1285) 17|-13a + 9| + 10 = 299$$

$$1286) 2 + 2|15k + 19| = 340$$

$$1287) -11 - 10|17n + 20| = 129$$

$$1288) -9 - 11|4x - 9| = -174$$

$$1289) 11|3n + 8| + 7 = -169$$

$$1290) -7|-15n + 2| + 19 = 110$$

$$1291) 17 - 8|15x + 9| = -295$$

$$1292) 17|13a + 15| + 6 = 193$$

$$1293) 7|12n + 18| + 1 = -209$$

$$1294) -4|15 + 19n| + 9 = -431$$

$$1295) 17 + 16|5k + 18| = 305$$

$$1296) 10|10r - 17| + 2 = 172$$

$$1297) 18|-13b - 6| - 8 = 352$$

$$1298) -3|8x - 12| - 2 = -2$$

$$1299) 9 + 16|8n + 12| = 201$$

$$1300) 3|12p + 1| - 16 = 347$$

$$1301) -10 - 11|13 + 6v| = -329$$

$$1302) 8 + 6|11 - 8r| = 374$$

$$1303) 3 + 14|17n - 17| = 241$$

$$1304) -2|-19x + 7| + 5 = 257$$

$$1305) -14|-19 + 2v| - 9 = -275$$

$$1306) -19|6v - 6| + 7 = -107$$

$$1307) 5 - 11|10p - 4| = -149$$

$$1308) 13|-6 - 7x| + 3 = 172$$

$$1309) 16|15m - 11| + 5 = -171$$

$$1310) |10 - 14v| - 1 = 37$$

$$1311) 3|n - 20| - 18 = 84$$

$$1312) 1 - 11|-1 + 9x| = -87$$

$$1313) -2|4x + 16| - 11 = -115$$

$$1314) 13 + 17|8n + 14| = 115$$

$$1315) 20|-5 - 7x| - 4 = 36$$

$$1316) 15|12x + 11| + 10 = 175$$

$$1317) 1 + 18|3x + 5| = 289$$

$$1318) -15 - 12|9 - 15p| = -267$$

$$1319) |17 + 13n| + 18 = 295$$

$$1320) 4|-7b - 6| - 12 = 40$$

$$1321) 15|8a - 8| - 12 = 348$$

$$1322) 4 + 18|14x - 13| = -230$$

$$1323) 5|8k - 13| + 8 = 343$$

$$1324) 20 + 3|14 - 20k| = 302$$

$$1325) 5|15x - 10| + 18 = 218$$

$$1326) 12 - 16|13v + 5| = -68$$

$$1327) -6 - 13|13 + 7v| = 189$$

$$1328) 5|17k + 4| - 16 = 89$$

$$1329) 7 - 3|x - 14| = 1$$

$$1330) 7 + 2|7n - 2| = 179$$

$$1331) 2|20n - 15| - 17 = 13$$

$$1332) 5 - 2|4b + 16| = -19$$

$$1333) 4|16r + 18| + 17 = 17$$

$$1334) 16 - 16|13 + 10b| = -416$$

$$1335) 5 + 12|11 + 13x| = 5$$

$$1336) 5|17x + 15| + 16 = 91$$

$$1337) 12|-12 + 2n| + 6 = 414$$

$$1338) -6|1 - 19x| + 6 = -114$$

$$1339) 13 - 7|3 - 20m| = -386$$

$$1340) 2 - 9|18 + 13n| = -160$$

$$1341) -11|7 - 17b| + 3 = -261$$

$$1342) 14|-20 + 10x| + 20 = 300$$

$$1343) 2 - |6 - 3x| = -19$$

$$1344) -8|12 + 18x| + 1 = -95$$



$$1345) 2 + 11|-12x - 13| = 409$$

$$1346) -2 + 11|19x - 10| = 306$$

$$1347) 5 - |-20 - 4n| = 5$$

$$1348) 4|19 + 10n| - 7 = 349$$

$$1349) 14 + 11|-5 - 15r| = 234$$

$$1350) 12|-12p - 7| + 16 = 244$$

$$1351) 12|-14 - 6n| + 9 = -375$$

$$1352) 10 - 13|17 - 17n| = -432$$

$$1353) -18|7 + 9x| - 2 = -290$$

$$1354) 4 + 20|-8r + 1| = 24$$

$$1355) 6|19p + 17| - 17 = 313$$

$$1356) 16 + 8|-16x + 3| = 424$$

$$1357) 17 - 8|-17 + 8v| = 25$$

$$1358) |11v + 7| + 2 = 83$$

$$1359) -11 - 9|x + 12| = -254$$

$$1360) 3|19r - 7| - 11 = -11$$

## Absolute value equations - Integers

Solve equations without operations inside or outside the absolute value:

1)  $|n| = 4$

$\{4, -4\}$

2)  $|x| = 29$

$\{29, -29\}$

3)  $|x| = 34$

$\{34, -34\}$

4)  $|b| = 51$

$\{51, -51\}$

5)  $|k| = 22$

$\{22, -22\}$

6)  $|n| = 13$

$\{13, -13\}$

7)  $|k| = 39$

$\{39, -39\}$

8)  $|m| = 23$

$\{23, -23\}$

$$9) |p| = 41$$

$$\{41, -41\}$$

$$10) |m| = 24$$

$$\{24, -24\}$$

$$11) |n| = 40$$

$$\{40, -40\}$$

$$12) |n| = 37$$

$$\{37, -37\}$$

$$13) |x| = 15$$

$$\{15, -15\}$$

$$14) |n| = 53$$

$$\{53, -53\}$$

$$15) |x| = 57$$

$$\{57, -57\}$$

$$16) |n| = 60$$

$$\{60, -60\}$$

$$17) |b| = 20$$
$$\{20, -20\}$$

$$18) |p| = 1$$
$$\{1, -1\}$$

$$19) |x| = 14$$
$$\{14, -14\}$$

$$20) |v| = 10$$
$$\{10, -10\}$$

$$21) |b| = 26$$
$$\{26, -26\}$$

$$22) |a| = 49$$
$$\{49, -49\}$$

$$23) |v| = 36$$
$$\{36, -36\}$$

$$24) |x| = 45$$
$$\{45, -45\}$$

$$25) |v| = 8$$

$$\{8, -8\}$$

$$26) |v| = 11$$

$$\{11, -11\}$$

$$27) |m| = 27$$

$$\{27, -27\}$$

$$28) |b| = 59$$

$$\{59, -59\}$$

$$29) |b| = 35$$

$$\{35, -35\}$$

$$30) |p| = 9$$

$$\{9, -9\}$$

$$31) |x| = 42$$

$$\{42, -42\}$$

$$32) |p| = 2$$

$$\{2, -2\}$$

$$33) |n| = 44$$
$$\{44, -44\}$$

$$34) |n| = 12$$
$$\{12, -12\}$$

$$35) |k| = 55$$
$$\{55, -55\}$$

$$36) |k| = 16$$
$$\{16, -16\}$$

$$37) |x| = 25$$
$$\{25, -25\}$$

$$38) |n| = 6$$
$$\{6, -6\}$$

$$39) |v| = 48$$
$$\{48, -48\}$$

$$40) |n| = 50$$
$$\{50, -50\}$$

$$41) |p| = 28$$
$$\{28, -28\}$$

$$42) |k| = 30$$
$$\{30, -30\}$$

$$43) |p| = 52$$
$$\{52, -52\}$$

$$44) |a| = 5$$
$$\{5, -5\}$$

$$45) |m| = 56$$
$$\{56, -56\}$$

$$46) |n| = 46$$
$$\{46, -46\}$$

$$47) |n| = 47$$
$$\{47, -47\}$$

$$48) |n| = 19$$
$$\{19, -19\}$$



$$49) |n| = 31$$
$$\{31, -31\}$$

$$50) |v| = 18$$
$$\{18, -18\}$$

$$51) |r| = 32$$
$$\{32, -32\}$$

$$52) |a| = 43$$
$$\{43, -43\}$$

$$53) |n| = 3$$
$$\{3, -3\}$$

$$54) |x| = 54$$
$$\{54, -54\}$$

$$55) |b| = 33$$
$$\{33, -33\}$$

$$56) |k| = 58$$
$$\{58, -58\}$$

$$57) |b| = 17$$
$$\{17, -17\}$$

$$58) |x| = 21$$
$$\{21, -21\}$$

$$59) |k| = 7$$
$$\{7, -7\}$$

$$60) |x| = 38$$
$$\{38, -38\}$$

**Solve equations with one operation:**

$$61) |8p| = 72$$
$$\{9, -9\}$$

$$62) |7v| = 63$$
$$\{9, -9\}$$

$$63) |-9k| = 27$$
$$\{-3, 3\}$$

$$64) |-1 + p| = 1$$
$$\{2, 0\}$$

$$65) \left| \frac{x}{5} \right| = 3$$

$\{15, -15\}$

$$66) \left| \frac{k}{8} \right| = -4$$

No solution.

$$67) |5a| = 15$$

$\{3, -3\}$

$$68) |4a| = 12$$

$\{3, -3\}$

$$69) |b - 2| = 4$$

$\{6, -2\}$

$$70) |a + 7| = 0$$

$\{-7\}$

$$71) |-2 + x| = 2$$

$\{4, 0\}$

$$72) |n + 6| = 11$$

$\{5, -17\}$

$$73) |x + 8| = 17$$
$$\{9, -25\}$$

$$74) |-8 + p| = 5$$
$$\{13, 3\}$$

$$75) |7 + a| = 16$$
$$\{9, -23\}$$

$$76) \left| \frac{x}{4} \right| = -1$$

No solution.

$$77) |x - 9| = 10$$
$$\{19, -1\}$$

$$78) \left| \frac{p}{7} \right| = -1$$

No solution.

$$79) |x - 7| = 0$$
$$\{7\}$$

$$80) |n - 7| = 15$$
$$\{22, -8\}$$

$$81) \left| \frac{n}{9} \right| = -2$$

No solution.

$$82) |n - 4| = 9$$
$$\{13, -5\}$$

$$83) |a + 5| = 13$$
$$\{8, -18\}$$

$$84) |-2n| = 12$$
$$\{-6, 6\}$$

$$85) |1 + m| = 5$$
$$\{4, -6\}$$

$$86) |n + 7| = 10$$
$$\{3, -17\}$$

$$87) |x - 6| = 1$$
$$\{7, 5\}$$

$$88) |a + 7| = 1$$
$$\{-6, -8\}$$

$$89) |9 + n| = 15$$

$$\{6, -24\}$$

$$90) |-7 + b| = 5$$

$$\{12, 2\}$$

$$91) |-8x| = 48$$

$$\{-6, 6\}$$

$$92) \left| \frac{n}{8} \right| = 4$$

$$\{32, -32\}$$

$$93) |2x| = 16$$

$$\{8, -8\}$$

$$94) \left| \frac{a}{2} \right| = 3$$

$$\{6, -6\}$$

$$95) |r - 4| = 0$$

$$\{4\}$$

$$96) \left| \frac{r}{7} \right| = -4$$

No solution.

$$97) |8x| = 24$$
$$\{3, -3\}$$

$$98) \left| \frac{p}{2} \right| = 0$$
$$\{0\}$$

$$99) |n + 6| = 5$$
$$\{-1, -11\}$$

$$100) |k + 4| = 4$$
$$\{0, -8\}$$

$$101) |n - 7| = 0$$
$$\{7\}$$

$$102) |r + 3| = 1$$
$$\{-2, -4\}$$

$$103) |p + 1| = 0$$
$$\{-1\}$$

$$104) |6b| = 54$$
$$\{9, -9\}$$

$$105) |n - 4| = -6$$

No solution.

$$106) |k - 4| = 10$$

$\{14, -6\}$

$$107) |6b| = 18$$

$\{3, -3\}$

$$108) \left| \frac{n}{7} \right| = 3$$

$\{21, -21\}$

$$109) |-2 + n| = 6$$

$\{8, -4\}$

$$110) |8 + x| = -3$$

No solution.

$$111) |-6a| = 42$$

$\{-7, 7\}$

$$112) |-2n| = -22$$

No solution.



$$113) \quad |-3 + k| = 6$$
$$\{9, -3\}$$

$$114) \quad |-9k| = 81$$
$$\{-9, 9\}$$

$$115) \quad |4b| = -16$$
$$\text{No solution.}$$

$$116) \quad |n - 7| = 16$$
$$\{23, -9\}$$

$$117) \quad |-9k| = 63$$
$$\{-7, 7\}$$

$$118) \quad |2 + m| = 2$$
$$\{0, -4\}$$

$$119) \quad |x + 3| = -7$$
$$\text{No solution.}$$

$$120) \quad |8k| = 56$$
$$\{7, -7\}$$

$$121) |n - 4| = 4$$
$$\{8, 0\}$$

$$122) |7 + n| = 3$$
$$\{-4, -10\}$$

$$123) |5k| = -40$$
$$\text{No solution.}$$

$$124) |-5n| = 35$$
$$\{-7, 7\}$$

$$125) |7m| = -7$$
$$\text{No solution.}$$

$$126) |k - 2| = 0$$
$$\{2\}$$

$$127) |5 + x| = 11$$
$$\{6, -16\}$$

$$128) |-5 + v| = 3$$
$$\{8, 2\}$$

$$129) |v - 3| = 0$$
$$\{3\}$$

$$130) |m - 2| = 3$$
$$\{5, -1\}$$

$$131) \left| \frac{n}{5} \right| = 4$$
$$\{20, -20\}$$

$$132) |n - 4| = 5$$
$$\{9, -1\}$$

$$133) |-7r| = 63$$
$$\{-9, 9\}$$

$$134) |-2n| = 8$$
$$\{-4, 4\}$$

$$135) |m - 3| = -13$$
$$\text{No solution.}$$

$$136) |n - 7| = 1$$
$$\{8, 6\}$$

$$137) \left| \frac{v}{7} \right| = 3$$
$$\{21, -21\}$$

$$138) |9p| = -54$$

No solution.

$$139) |-4x| = 28$$
$$\{-7, 7\}$$

$$140) |m + 1| = -8$$

No solution.

$$141) |a - 2| = 9$$
$$\{11, -7\}$$

$$142) |n + 6| = 12$$
$$\{6, -18\}$$

$$143) |k - 7| = -16$$

No solution.

$$144) |a - 8| = 13$$
$$\{21, -5\}$$

$$145) \left| \frac{k}{5} \right| = 0$$
$$\{0\}$$

$$146) |x - 1| = 1$$
$$\{2, 0\}$$

$$147) |-9 + n| = 8$$
$$\{17, 1\}$$

$$148) |-3p| = -30$$
$$\text{No solution.}$$

$$149) |x + 3| = 7$$
$$\{4, -10\}$$

$$150) |n + 8| = 13$$
$$\{5, -21\}$$

$$151) |a + 6| = 3$$
$$\{-3, -9\}$$

$$152) |n + 1| = 7$$
$$\{6, -8\}$$

$$153) |p - 7| = -10$$

No solution.

$$154) |-5a| = 5$$

$\{-1, 1\}$

$$155) \left| \frac{n}{6} \right| = -2$$

No solution.

$$156) |-8k| = 16$$

$\{-2, 2\}$

$$157) |-1 + r| = -2$$

No solution.

$$158) |b + 9| = 0$$

$\{-9\}$

$$159) \left| \frac{x}{5} \right| = 1$$

$\{5, -5\}$

$$160) |-2x| = 6$$

$\{-3, 3\}$

$$161) \quad |-10p| = 120$$

$$\{-12, 12\}$$

$$162) \quad |10b| = 0$$

$$\{0\}$$

$$163) \quad |n - 17| = 14$$

$$\{31, 3\}$$

$$164) \quad \left| \frac{x}{5} \right| = 5$$

$$\{25, -25\}$$

$$165) \quad |p - 3| = 7$$

$$\{10, -4\}$$

$$166) \quad \left| \frac{x}{6} \right| = 1$$

$$\{6, -6\}$$

$$167) \quad \left| \frac{x}{8} \right| = 3$$

$$\{24, -24\}$$

$$168) \quad |b + 1| = -16$$

No solution.

$$169) \left| \frac{r}{6} \right| = 7$$
$$\{42, -42\}$$

$$170) |-6 + x| = 7$$
$$\{13, -1\}$$

$$171) |-19n| = 19$$
$$\{-1, 1\}$$

$$172) |-4b| = 24$$
$$\{-6, 6\}$$

$$173) |p - 5| = 4$$
$$\{9, 1\}$$

$$174) |x + 1| = 0$$
$$\{-1\}$$

$$175) |n + 17| = -5$$
$$\text{No solution.}$$

$$176) \left| \frac{m}{3} \right| = 8$$
$$\{24, -24\}$$



$$177) |2x| = 4$$

$$\{2, -2\}$$

$$178) |r - 9| = 11$$

$$\{20, -2\}$$

$$179) |n + 4| = 17$$

$$\{13, -21\}$$

$$180) |p + 2| = 12$$

$$\{10, -14\}$$

$$181) |x + 15| = 10$$

$$\{-5, -25\}$$

$$182) |b + 10| = 9$$

$$\{-1, -19\}$$

$$183) |x - 6| = 12$$

$$\{18, -6\}$$

$$184) |-14 + a| = 21$$

$$\{35, -7\}$$

$$185) |r - 18| = -7$$

No solution.

$$186) |m - 7| = 9$$

$\{16, -2\}$

$$187) |-4 + n| = 0$$

$\{4\}$

$$188) |v - 2| = -4$$

No solution.

$$189) |v - 19| = 14$$

$\{33, 5\}$

$$190) |n - 9| = 14$$

$\{23, -5\}$

$$191) \left| \frac{m}{19} \right| = 6$$

$\{114, -114\}$

$$192) \left| \frac{x}{11} \right| = 9$$

$\{99, -99\}$

$$193) |n + 6| = -6$$

No solution.

$$194) \left| \frac{x}{11} \right| = 5$$

$\{55, -55\}$

$$195) |-4n| = 44$$

$\{-11, 11\}$

$$196) |b + 10| = 15$$

$\{5, -25\}$

$$197) |b + 6| = 1$$

$\{-5, -7\}$

$$198) \left| \frac{r}{14} \right| = 9$$

$\{126, -126\}$

$$199) |b - 15| = 2$$

$\{17, 13\}$

$$200) |11x| = 220$$

$\{20, -20\}$

$$201) \left| \frac{x}{20} \right| = -10$$

No solution.

$$202) |3v| = -33$$

No solution.

$$203) \left| \frac{a}{5} \right| = -1$$

No solution.

$$204) |-2 + v| = 12$$

$\{14, -10\}$

$$205) |n - 18| = 32$$

$\{50, -14\}$

$$206) |a + 16| = -1$$

No solution.

$$207) \left| \frac{k}{12} \right| = 7$$

$\{84, -84\}$

$$208) \left| \frac{b}{10} \right| = 6$$

$\{60, -60\}$

$$209) \left| \frac{r}{9} \right| = 1$$
$$\{9, -9\}$$

$$210) |-19n| = 57$$
$$\{-3, 3\}$$

$$211) \left| \frac{x}{6} \right| = 10$$
$$\{60, -60\}$$

$$212) |2x| = 12$$
$$\{6, -6\}$$

$$213) |9b| = 45$$
$$\{5, -5\}$$

$$214) |-14n| = 0$$
$$\{0\}$$

$$215) |r + 1| = -15$$
$$\text{No solution.}$$

$$216) |p + 9| = 9$$
$$\{0, -18\}$$

$$217) |10b| = 110$$
$$\{11, -11\}$$

$$218) \left| \frac{a}{9} \right| = 9$$
$$\{81, -81\}$$

$$219) \left| \frac{m}{16} \right| = 6$$
$$\{96, -96\}$$

$$220) |-3b| = 45$$
$$\{-15, 15\}$$

$$221) \left| \frac{x}{12} \right| = 4$$
$$\{48, -48\}$$

$$222) |10b| = 180$$
$$\{18, -18\}$$

$$223) |x + 7| = -9$$
$$\text{No solution.}$$

$$224) |-16b| = -32$$
$$\text{No solution.}$$

$$225) |m + 11| = 16$$

$$\{5, -27\}$$

$$226) |a + 17| = 29$$

$$\{12, -46\}$$

$$227) |7m| = 77$$

$$\{11, -11\}$$

$$228) |14n| = 56$$

$$\{4, -4\}$$

$$229) \left| \frac{m}{13} \right| = 1$$

$$\{13, -13\}$$

$$230) |6p| = 12$$

$$\{2, -2\}$$

$$231) \left| \frac{x}{3} \right| = 5$$

$$\{15, -15\}$$

$$232) |v + 16| = 7$$

$$\{-9, -23\}$$

$$233) \left| \frac{m}{15} \right| = 1$$
$$\{15, -15\}$$

$$234) |17x| = 272$$
$$\{16, -16\}$$

$$235) \left| \frac{b}{7} \right| = 10$$
$$\{70, -70\}$$

$$236) \left| \frac{k}{19} \right| = 1$$
$$\{19, -19\}$$

$$237) |x + 7| = 14$$
$$\{7, -21\}$$

$$238) |x + 16| = 0$$
$$\{-16\}$$

$$239) \left| \frac{a}{16} \right| = 4$$
$$\{64, -64\}$$

$$240) \left| \frac{x}{9} \right| = -4$$
$$\text{No solution.}$$



$$241) \left| \frac{n}{2} \right| = 6$$
$$\{12, -12\}$$

$$242) |p - 15| = 4$$
$$\{19, 11\}$$

$$243) \left| \frac{n}{6} \right| = 2$$
$$\{12, -12\}$$

$$244) |3 + v| = 17$$
$$\{14, -20\}$$

$$245) |3r| = 33$$
$$\{11, -11\}$$

$$246) |x - 6| = 5$$
$$\{11, 1\}$$

$$247) \left| \frac{a}{17} \right| = 8$$
$$\{136, -136\}$$

$$248) |3 + k| = 7$$
$$\{4, -10\}$$

$$249) \quad |-6 + b| = 12$$
$$\{18, -6\}$$

$$250) \quad \left| \frac{k}{15} \right| = 4$$
$$\{60, -60\}$$

$$251) \quad |-15x| = 285$$
$$\{-19, 19\}$$

$$252) \quad |-5r| = -5$$
$$\text{No solution.}$$

$$253) \quad |-2 + n| = 6$$
$$\{8, -4\}$$

$$254) \quad |18 + m| = 6$$
$$\{-12, -24\}$$

$$255) \quad |n + 11| = 12$$
$$\{1, -23\}$$

$$256) \quad |n + 11| = 7$$
$$\{-4, -18\}$$

$$257) \left| \frac{r}{3} \right| = 3$$
$$\{9, -9\}$$

$$258) |r - 2| = 18$$
$$\{20, -16\}$$

$$259) \left| \frac{r}{4} \right| = 6$$
$$\{24, -24\}$$

$$260) |x - 18| = 14$$
$$\{32, 4\}$$

$$261) \frac{|x|}{3} = 2$$
$$\{6, -6\}$$

$$262) |a| + 2 = -4$$
$$\text{No solution.}$$

$$263) -8|a| = 0$$
$$\{0\}$$

$$264) |b| + 9 = 16$$
$$\{7, -7\}$$

$$265) |x| - 4 = 4$$

$$\{8, -8\}$$

$$266) |n| + 9 = 11$$

$$\{2, -2\}$$

$$267) 7|p| = 42$$

$$\{6, -6\}$$

$$268) \frac{|m|}{2} = 4$$

$$\{8, -8\}$$

$$269) -3 + |m| = 1$$

$$\{4, -4\}$$

$$270) \frac{|v|}{9} = 3$$

$$\{27, -27\}$$

$$271) |x| - 1 = -2$$

No solution.

$$272) |r| - 2 = 3$$

$$\{5, -5\}$$

$$273) |x| + 4 = 7$$

$$\{3, -3\}$$

$$274) 4 + |x| = -1$$

No solution.

$$275) -8|p| = -72$$

$$\{9, -9\}$$

$$276) |k| - 2 = 7$$

$$\{9, -9\}$$

$$277) |x| + 3 = 12$$

$$\{9, -9\}$$

$$278) |x| + 2 = 2$$

$$\{0\}$$

$$279) 9|p| = 45$$

$$\{5, -5\}$$

$$280) |m| + 7 = -3$$

No solution.

$$281) |x| - 7 = -5$$

$$\{2, -2\}$$

$$282) -7|v| = -14$$

$$\{2, -2\}$$

$$283) |n| + 9 = 15$$

$$\{6, -6\}$$

$$284) |p| - 2 = 6$$

$$\{8, -8\}$$

$$285) |a| + 8 = 14$$

$$\{6, -6\}$$

$$286) 9|a| = 54$$

$$\{6, -6\}$$

$$287) 3|p| = 24$$

$$\{8, -8\}$$

$$288) \frac{|n|}{7} = -2$$

No solution.

$$289) 3|p| = -27$$

No solution.

$$290) -8|r| = -16$$

$\{2, -2\}$

$$291) |x| - 6 = -17$$

No solution.

$$292) |r| + 3 = 10$$

$\{7, -7\}$

$$293) 2|n| = 4$$

$\{2, -2\}$

$$294) |v| + 3 = 12$$

$\{9, -9\}$

$$295) |k| - 6 = -12$$

No solution.

$$296) -5|n| = -20$$

$\{4, -4\}$

$$297) -7|v| = -21$$

$$\{3, -3\}$$

$$298) -5|k| = -45$$

$$\{9, -9\}$$

$$299) -4 + |x| = -3$$

$$\{1, -1\}$$

$$300) 9|n| = 81$$

$$\{9, -9\}$$

$$301) 8 + |r| = 14$$

$$\{6, -6\}$$

$$302) 2 + |x| = 10$$

$$\{8, -8\}$$

$$303) -9|v| = -54$$

$$\{6, -6\}$$

$$304) |a| + 7 = 8$$

$$\{1, -1\}$$



$$305) -6|a| = -24$$

$$\{4, -4\}$$

$$306) 4|n| = 8$$

$$\{2, -2\}$$

$$307) |n| + 5 = 13$$

$$\{8, -8\}$$

$$308) |n| - 2 = 1$$

$$\{3, -3\}$$

$$309) |m| - 6 = 2$$

$$\{8, -8\}$$

$$310) \frac{|x|}{5} = 1$$

$$\{5, -5\}$$

$$311) 3|p| = 12$$

$$\{4, -4\}$$

$$312) |b| + 8 = 11$$

$$\{3, -3\}$$

$$313) \frac{|p|}{9} = 0$$

$\{0\}$

$$314) |n| - 8 = -1$$

$\{7, -7\}$

$$315) |k| + 7 = 13$$

$\{6, -6\}$

$$316) -3|n| = -9$$

$\{3, -3\}$

$$317) 6|m| = 48$$

$\{8, -8\}$

$$318) -2|x| = -12$$

$\{6, -6\}$

$$319) -6|x| = 6$$

No solution.

$$320) 2|n| = -8$$

No solution.

$$321) 7|b| = 21$$

$$\{3, -3\}$$

$$322) |x| - 2 = 0$$

$$\{2, -2\}$$

$$323) 4|n| = 16$$

$$\{4, -4\}$$

$$324) 9|x| = 18$$

$$\{2, -2\}$$

$$325) 5|p| = 5$$

$$\{1, -1\}$$

$$326) |x| + 4 = 6$$

$$\{2, -2\}$$

$$327) |m| - 3 = -6$$

No solution.

$$328) 5|k| = 10$$

$$\{2, -2\}$$

$$329) |a| - 8 = -6$$

$$\{2, -2\}$$

$$330) |b| - 4 = -7$$

No solution.

$$331) 8|v| = -32$$

No solution.

$$332) |x| + 3 = 9$$

$$\{6, -6\}$$

$$333) -5|p| = -40$$

$$\{8, -8\}$$

$$334) |x| + 2 = 5$$

$$\{3, -3\}$$

$$335) -8|v| = -48$$

$$\{6, -6\}$$

$$336) 3|n| = 9$$

$$\{3, -3\}$$

$$337) -5|b| = -10$$

$$\{2, -2\}$$

$$338) |p| - 9 = -8$$

$$\{1, -1\}$$

$$339) 4|p| = 32$$

$$\{8, -8\}$$

$$340) |x| + 1 = 4$$

$$\{3, -3\}$$

$$341) |m| - 4 = -2$$

$$\{2, -2\}$$

$$342) -4|a| = -36$$

$$\{9, -9\}$$

$$343) 5|k| = 40$$

$$\{8, -8\}$$

$$344) 9|a| = 36$$

$$\{4, -4\}$$

$$345) 8|p| = 72$$

$$\{9, -9\}$$

$$346) |b| + 9 = 17$$

$$\{8, -8\}$$

$$347) -7|m| = -56$$

$$\{8, -8\}$$

$$348) \frac{|x|}{3} = -1$$

No solution.

$$349) 3 + |m| = -7$$

No solution.

$$350) |x| - 9 = -9$$

$$\{0\}$$

$$351) |b| - 7 = -5$$

$$\{2, -2\}$$

$$352) -2 + |x| = 5$$

$$\{7, -7\}$$

$$353) 6|m| = -42$$

No solution.

$$354) 8 + |x| = 9$$

$\{1, -1\}$

$$355) 1 + |n| = 3$$

$\{2, -2\}$

$$356) \frac{|n|}{3} = -4$$

No solution.

$$357) -8 + |n| = -8$$

$\{0\}$

$$358) |n| - 6 = -15$$

No solution.

$$359) -2|a| = -4$$

$\{2, -2\}$

$$360) -2|x| = -18$$

$\{9, -9\}$

$$361) -11|v| = 0$$
$$\{0\}$$

$$362) |x| - 12 = -6$$
$$\{6, -6\}$$

$$363) -4|n| = -56$$
$$\{14, -14\}$$

$$364) |a| + 19 = 32$$
$$\{13, -13\}$$

$$365) \frac{|x|}{5} = 10$$
$$\{50, -50\}$$

$$366) \frac{|k|}{2} = -10$$
$$\text{No solution.}$$

$$367) -2|n| = -14$$
$$\{7, -7\}$$

$$368) |m| + 17 = 11$$
$$\text{No solution.}$$



$$369) |v| + 9 = 17$$
$$\{8, -8\}$$

$$370) \frac{|x|}{17} = 2$$
$$\{34, -34\}$$

$$371) -8 + |n| = 6$$
$$\{14, -14\}$$

$$372) \frac{|r|}{10} = 8$$
$$\{80, -80\}$$

$$373) \frac{|b|}{7} = 6$$
$$\{42, -42\}$$

$$374) -5|x| = -80$$
$$\{16, -16\}$$

$$375) 6|n| = 18$$
$$\{3, -3\}$$

$$376) -6|x| = -90$$
$$\{15, -15\}$$

$$377) \frac{|n|}{18} = 1$$
$$\{18, -18\}$$

$$378) 18|n| = 126$$
$$\{7, -7\}$$

$$379) -5|k| = -15$$
$$\{3, -3\}$$

$$380) |k| + 15 = 31$$
$$\{16, -16\}$$

$$381) \frac{|x|}{10} = 7$$
$$\{70, -70\}$$

$$382) |p| + 9 = 28$$
$$\{19, -19\}$$

$$383) -9|n| = -9$$
$$\{1, -1\}$$

$$384) |b| + 8 = 22$$
$$\{14, -14\}$$

$$385) -8|p| = 160$$

No solution.

$$386) 10|x| = -210$$

No solution.

$$387) |x| - 19 = -16$$

$\{3, -3\}$

$$388) |a| + 18 = 25$$

$\{7, -7\}$

$$389) 18 + |k| = 24$$

$\{6, -6\}$

$$390) |r| + 6 = 8$$

$\{2, -2\}$

$$391) -16|n| = -176$$

$\{11, -11\}$

$$392) |a| - 1 = 7$$

$\{8, -8\}$

$$393) |b| + 15 = 34$$

$$\{19, -19\}$$

$$394) |b| - 11 = -4$$

$$\{7, -7\}$$

$$395) |x| + 18 = 26$$

$$\{8, -8\}$$

$$396) |b| - 10 = -19$$

No solution.

$$397) \frac{|p|}{7} = -8$$

No solution.

$$398) |n| - 19 = 1$$

$$\{20, -20\}$$

$$399) |b| - 12 = -17$$

No solution.

$$400) |n| - 5 = 0$$

$$\{5, -5\}$$

$$401) -15|r| = -270$$

$$\{18, -18\}$$

$$402) -5 + |x| = 1$$

$$\{6, -6\}$$

$$403) \frac{|n|}{8} = 9$$

$$\{72, -72\}$$

$$404) 8|x| = 128$$

$$\{16, -16\}$$

$$405) 11|n| = -110$$

No solution.

$$406) 18|x| = 306$$

$$\{17, -17\}$$

$$407) |n| - 10 = -5$$

$$\{5, -5\}$$

$$408) -7|n| = 7$$

No solution.

$$409) \frac{|k|}{5} = 0$$

$\{0\}$

$$410) \frac{|x|}{11} = -5$$

No solution.

$$411) 12 + |n| = 26$$

$\{14, -14\}$

$$412) |m| - 13 = -11$$

$\{2, -2\}$

$$413) 13|a| = 143$$

$\{11, -11\}$

$$414) |n| + 1 = -4$$

No solution.

$$415) \frac{|p|}{2} = 4$$

$\{8, -8\}$

$$416) |x| + 19 = 19$$

$\{0\}$

$$417) 20|x| = 60$$

$$\{3, -3\}$$

$$418) 9 + |r| = 21$$

$$\{12, -12\}$$

$$419) -12|x| = -240$$

$$\{20, -20\}$$

$$420) -13|b| = -182$$

$$\{14, -14\}$$

$$421) \frac{|m|}{20} = -7$$

No solution.

$$422) 4|n| = 72$$

$$\{18, -18\}$$

$$423) -7|k| = -140$$

$$\{20, -20\}$$

$$424) -14|p| = -266$$

$$\{19, -19\}$$

$$425) -7|b| = -21$$

$$\{3, -3\}$$

$$426) -12|m| = -108$$

$$\{9, -9\}$$

$$427) \frac{|x|}{17} = 5$$

$$\{85, -85\}$$

$$428) |p| - 15 = -9$$

$$\{6, -6\}$$

$$429) |x| + 2 = 16$$

$$\{14, -14\}$$

$$430) 6|p| = 6$$

$$\{1, -1\}$$

$$431) -12|n| = 144$$

No solution.

$$432) |b| - 8 = 2$$

$$\{10, -10\}$$



$$433) |a| + 1 = 14$$

$$\{13, -13\}$$

$$434) |x| + 14 = 34$$

$$\{20, -20\}$$

$$435) -3|x| = 12$$

No solution.

$$436) |x| - 20 = -1$$

$$\{19, -19\}$$

$$437) |x| + 19 = -1$$

No solution.

$$438) \frac{|v|}{14} = -2$$

No solution.

$$439) -1 + |a| = 5$$

$$\{6, -6\}$$

$$440) -6|a| = -120$$

$$\{20, -20\}$$

$$441) |n| + 18 = 19$$

$\{1, -1\}$

$$442) \frac{|k|}{4} = 3$$

$\{12, -12\}$

$$443) \frac{|m|}{10} = -3$$

No solution.

$$444) |x| - 16 = -5$$

$\{11, -11\}$

$$445) -6 + |x| = 12$$

$\{18, -18\}$

$$446) |n| - 14 = 5$$

$\{19, -19\}$

$$447) \frac{|x|}{7} = -4$$

No solution.

$$448) |n| + 6 = 13$$

$\{7, -7\}$

$$449) |x| - 9 = -12$$

No solution.

$$450) |x| - 7 = -29$$

No solution.

$$451) 18|r| = 36$$

$\{2, -2\}$

$$452) |n| - 13 = -2$$

$\{11, -11\}$

$$453) |p| - 14 = -3$$

$\{11, -11\}$

$$454) |x| - 13 = -22$$

No solution.

$$455) -14|m| = 252$$

No solution.

$$456) 18|n| = 90$$

$\{5, -5\}$

$$457) 19|k| = 171$$

$$\{9, -9\}$$

$$458) -18|a| = -252$$

$$\{14, -14\}$$

$$459) |x| - 7 = 3$$

$$\{10, -10\}$$

$$460) |x| + 7 = 16$$

$$\{9, -9\}$$

**Solve equations with two operations:**

$$461) -8|x - 9| = -64$$

$$\{17, 1\}$$

$$462) \frac{|-8 + v|}{5} = -3$$

**No solution.**

$$463) -2|p - 5| = -20$$

$$\{15, -5\}$$

$$464) \frac{|n - 2|}{3} = 3$$

$$\{11, -7\}$$

$$465) |b - 4| + 2 = 6$$
$$\{8, 0\}$$

$$466) \left| \frac{m}{5} \right| - 9 = -8$$
$$\{5, -5\}$$

$$467) |-5 + p| - 2 = 10$$
$$\{17, -7\}$$

$$468) 3 \left| \frac{x}{5} \right| = 3$$
$$\{5, -5\}$$

$$469) |-2r| + 6 = -4$$
$$\text{No solution.}$$

$$470) -2|-6n| = -12$$
$$\{-1, 1\}$$

$$471) |-5x| - 5 = 10$$
$$\{-3, 3\}$$

$$472) 2 \left| \frac{m}{9} \right| = 2$$
$$\{9, -9\}$$

$$473) \left| \frac{k}{9} \right| - 3 = -2$$
$$\{9, -9\}$$

$$474) |-5v| + 9 = 24$$
$$\{-3, 3\}$$

$$475) \frac{|x-3|}{6} = 3$$
$$\{21, -15\}$$

$$476) \frac{|n+3|}{8} = 3$$
$$\{21, -27\}$$

$$477) -7 + \left| \frac{k}{4} \right| = -6$$
$$\{4, -4\}$$

$$478) |5x| - 6 = 39$$
$$\{9, -9\}$$

$$479) \left| \frac{n}{5} \right| - 8 = -7$$
$$\{5, -5\}$$

$$480) -9 + |p-1| = -4$$
$$\{6, -4\}$$

$$481) \quad |-7a| - 6 = 22$$

$$\{-4, 4\}$$

$$482) \quad 4|x + 6| = -12$$

No solution.

$$483) \quad 6 + |-2n| = 14$$

$$\{-4, 4\}$$

$$484) \quad 5 + |1 + n| = 13$$

$$\{7, -9\}$$

$$485) \quad |-6n| + 6 = -12$$

No solution.

$$486) \quad -8|k + 2| = -40$$

$$\{3, -7\}$$

$$487) \quad 4\left|\frac{n}{5}\right| = 4$$

$$\{5, -5\}$$

$$488) \quad 3|2x| = 6$$

$$\{1, -1\}$$

$$489) -2 \left| \frac{a}{3} \right| = -6$$

$$\{9, -9\}$$

$$490) \frac{|p-6|}{4} = 2$$

$$\{14, -2\}$$

$$491) |-5n| - 6 = -16$$

No solution.

$$492) 6|k+3| = 24$$

$$\{1, -7\}$$

$$493) -2|-8m| = -64$$

$$\{-4, 4\}$$

$$494) -7|v+5| = -21$$

$$\{-2, -8\}$$

$$495) 9|-7p| = 63$$

$$\{-1, 1\}$$

$$496) 2|n+4| = 0$$

$$\{-4\}$$



$$497) |n - 1| - 6 = -5$$

$\{2, 0\}$

$$498) \frac{|x - 7|}{4} = 4$$

$\{23, -9\}$

$$499) -4 + |x - 7| = -2$$

$\{9, 5\}$

$$500) |-3 + x| + 8 = 8$$

$\{3\}$

$$501) \frac{|n + 8|}{6} = -2$$

No solution.

$$502) 9 + |-5 + v| = 19$$

$\{15, -5\}$

$$503) |n - 8| - 9 = 8$$

$\{25, -9\}$

$$504) |a + 3| - 5 = -6$$

No solution.

$$505) \frac{|2x|}{6} = 1$$

$$\{3, -3\}$$

$$506) -5 + |5x| = 0$$

$$\{1, -1\}$$

$$507) -4 \left| \frac{m}{2} \right| = 16$$

No solution.

$$508) \frac{|-8 + x|}{2} = 4$$

$$\{16, 0\}$$

$$509) |-2p| - 6 = 12$$

$$\{-9, 9\}$$

$$510) \frac{|a + 4|}{5} = 4$$

$$\{16, -24\}$$

$$511) -2|m - 9| = -16$$

$$\{17, 1\}$$

$$512) -3|b + 2| = -3$$

$$\{-1, -3\}$$

$$513) -9 \left| \frac{x}{9} \right| = 3$$

No solution.

$$514) 5 + |k + 6| = 1$$

No solution.

$$515) |n + 7| - 1 = -5$$

No solution.

$$516) \frac{|6r|}{6} = 1$$

$\{1, -1\}$

$$517) |7n| - 1 = 6$$

$\{1, -1\}$

$$518) 8|5a| = 80$$

$\{2, -2\}$

$$519) |5x| + 8 = 23$$

$\{3, -3\}$

$$520) 9|n - 1| = 36$$

$\{5, -3\}$

$$521) -7|-5p| = -70$$

$$\{-2, 2\}$$

$$522) |5 + v| + 2 = 4$$

$$\{-3, -7\}$$

$$523) |b + 6| - 2 = 8$$

$$\{4, -16\}$$

$$524) \frac{|a - 1|}{7} = -2$$

No solution.

$$525) |n - 7| + 2 = 13$$

$$\{18, -4\}$$

$$526) \frac{|x + 8|}{3} = 1$$

$$\{-5, -11\}$$

$$527) -6|2r| = -12$$

$$\{1, -1\}$$

$$528) \frac{|m - 8|}{9} = -4$$

No solution.

$$529) |n + 9| + 9 = 13$$
$$\{-5, -13\}$$

$$530) 6 \left| \frac{r}{3} \right| = -18$$

No solution.

$$531) \left| \frac{p}{5} \right| + 8 = 7$$

No solution.

$$532) |x + 8| - 7 = 4$$
$$\{3, -19\}$$

$$533) |n + 3| + 1 = 11$$
$$\{7, -13\}$$

$$534) 9|n + 7| = 0$$
$$\{-7\}$$

$$535) \frac{|7x|}{5} = 4$$
$$\left\{ \frac{20}{7}, -\frac{20}{7} \right\}$$

$$536) \frac{|9 + x|}{6} = 4$$
$$\{15, -33\}$$

$$537) -7|-7m| = 0$$
$$\{0\}$$

$$538) -7 + |-3x| = 14$$
$$\{-7, 7\}$$

$$539) \left| \frac{k}{4} \right| + 2 = 4$$
$$\{8, -8\}$$

$$540) -7|3k| = 42$$
$$\text{No solution.}$$

$$541) |6 + m| - 6 = 7$$
$$\{7, -19\}$$

$$542) -7|-3n| = -63$$
$$\{-3, 3\}$$

$$543) 2 + \left| \frac{n}{3} \right| = 0$$
$$\text{No solution.}$$

$$544) 8|b - 6| = 80$$
$$\{16, -4\}$$

$$545) |m + 9| - 7 = 9$$
$$\{7, -25\}$$

$$546) -4 + |m + 1| = 1$$
$$\{4, -6\}$$

$$547) \left| \frac{a}{3} \right| - 3 = -4$$

No solution.

$$548) \left| \frac{x}{8} \right| + 3 = 4$$
$$\{8, -8\}$$

$$549) |a - 2| + 3 = 9$$
$$\{8, -4\}$$

$$550) -4 \left| \frac{x}{8} \right| = -1$$
$$\{2, -2\}$$

$$551) |a - 6| - 4 = -2$$
$$\{8, 4\}$$

$$552) -3|4 + n| = -15$$
$$\{1, -9\}$$

$$553) \frac{|-1+n|}{5} = 2$$

$$\{11, -9\}$$

$$554) -8|1+v| = -56$$

$$\{6, -8\}$$

$$555) |n+3| - 9 = -2$$

$$\{4, -10\}$$

$$556) |v-3| + 7 = 13$$

$$\{9, -3\}$$

$$557) 2\left|\frac{m}{8}\right| = 1$$

$$\{4, -4\}$$

$$558) \left|\frac{x}{4}\right| - 2 = -3$$

No solution.

$$559) -2|-2n| = -16$$

$$\{-4, 4\}$$

$$560) 5 + \left|\frac{m}{8}\right| = 6$$

$$\{8, -8\}$$



$$561) \left| \frac{x}{12} \right| + 13 = 14$$

$$\{12, -12\}$$

$$562) \left| \frac{r}{18} \right| + 5 = 6$$

$$\{18, -18\}$$

$$563) \frac{|v + 14|}{19} = 2$$

$$\{24, -52\}$$

$$564) |x + 16| - 13 = 23$$

$$\{20, -52\}$$

$$565) 3|n + 19| = 51$$

$$\{-2, -36\}$$

$$566) 8 + |x - 20| = 36$$

$$\{48, -8\}$$

$$567) 16|a - 5| = -112$$

No solution.

$$568) \frac{|-20k|}{12} = 3$$

$$\left\{ \frac{9}{5}, \frac{9}{5} \right\}$$

$$569) \frac{|8k|}{4} = 0$$

$$\{0\}$$

$$570) 16 + \left| \frac{n}{11} \right| = 17$$

$$\{11, -11\}$$

$$571) \frac{|x - 14|}{13} = 8$$

$$\{118, -90\}$$

$$572) \frac{|18x|}{14} = 7$$

$$\left\{ \frac{49}{9}, -\frac{49}{9} \right\}$$

$$573) \frac{|-11r|}{19} = 6$$

$$\left\{ -\frac{114}{11}, \frac{114}{11} \right\}$$

$$574) 1 + \left| \frac{n}{17} \right| = 2$$

$$\{17, -17\}$$

$$575) \frac{|9x|}{16} = 3$$

$$\left\{ \frac{16}{3}, -\frac{16}{3} \right\}$$

$$576) 2 + \left| \frac{a}{13} \right| = 3$$

$$\{13, -13\}$$

$$577) |12 + m| - 9 = 2$$

$$\{-1, -23\}$$

$$578) 4|16n| = 256$$

$$\{4, -4\}$$

$$579) -19|-1 + a| = 0$$

$$\{1\}$$

$$580) |a + 8| + 2 = 22$$

$$\{12, -28\}$$

$$581) -4|4x| = -80$$

$$\{5, -5\}$$

$$582) |13v| - 3 = 192$$

$$\{15, -15\}$$

$$583) 3|x + 20| = 108$$

$$\{16, -56\}$$

$$584) -8\left|\frac{m}{7}\right| = 24$$

No solution.

$$585) -4|11n| = -352$$

$$\{8, -8\}$$

$$586) |-8p| + 20 = 92$$

$$\{-9, 9\}$$

$$587) \frac{|15p|}{20} = 7$$

$$\left\{\frac{28}{3}, -\frac{28}{3}\right\}$$

$$588) \left|\frac{k}{11}\right| + 15 = 16$$

$$\{11, -11\}$$

$$589) \left|\frac{x}{9}\right| - 4 = -3$$

$$\{9, -9\}$$

$$590) |r - 20| - 14 = 15$$

$$\{49, -9\}$$

$$591) 12\left|\frac{n}{3}\right| = 36$$

$$\{9, -9\}$$

$$592) \frac{|-17a|}{3} = 6$$

$$\left\{-\frac{18}{17}, \frac{18}{17}\right\}$$

$$593) \left| \frac{x}{18} \right| + 17 = 18$$

$\{18, -18\}$

$$594) \frac{|p+11|}{10} = 7$$

$\{59, -81\}$

$$595) |-17+k| + 3 = 1$$

No solution.

$$596) -10 \left| \frac{p}{19} \right| = 10$$

No solution.

$$597) -12 \left| \frac{x}{4} \right| = -15$$

$\{5, -5\}$

$$598) -13 + \left| \frac{n}{15} \right| = -12$$

$\{15, -15\}$

$$599) |10n| + 2 = 192$$

$\{19, -19\}$

$$600) 5 + |11+p| = 14$$

$\{-2, -20\}$

$$601) -15 + |-7k| = 83$$

$$\{-14, 14\}$$

$$602) |n - 7| - 5 = 1$$

$$\{13, 1\}$$

$$603) |6 + a| - 19 = -8$$

$$\{5, -17\}$$

$$604) \frac{|-10 + a|}{14} = 5$$

$$\{80, -60\}$$

$$605) 4|15x| = 0$$

$$\{0\}$$

$$606) \frac{|-16 + b|}{19} = 10$$

$$\{206, -174\}$$

$$607) -11\left|\frac{v}{6}\right| = 0$$

$$\{0\}$$

$$608) -16|k + 19| = 16$$

No solution.

$$609) \frac{|-18 + a|}{7} = 5$$

$\{53, -17\}$

$$610) |-19 + r| + 1 = -1$$

No solution.

$$611) \frac{|k - 20|}{7} = -10$$

No solution.

$$612) |10 + x| - 13 = 7$$

$\{10, -30\}$

$$613) 19|b - 4| = 95$$

$\{9, -1\}$

$$614) \frac{|1 + v|}{10} = -5$$

No solution.

$$615) \left| \frac{b}{8} \right| - 1 = 0$$

$\{8, -8\}$

$$616) |x + 13| - 3 = 3$$

$\{-7, -19\}$

$$617) -8 + |b + 11| = -8$$
$$\{-11\}$$

$$618) |n - 20| - 12 = -11$$
$$\{21, 19\}$$

$$619) \frac{|7p|}{9} = 10$$
$$\left\{\frac{90}{7}, -\frac{90}{7}\right\}$$

$$620) \left|\frac{a}{18}\right| - 4 = -3$$
$$\{18, -18\}$$

$$621) \frac{|-17a|}{10} = 9$$
$$\left\{-\frac{90}{17}, \frac{90}{17}\right\}$$

$$622) -4\left|\frac{n}{18}\right| = -4$$
$$\{18, -18\}$$

$$623) |n + 20| - 10 = 20$$
$$\{10, -50\}$$

$$624) |5x| - 20 = 50$$
$$\{14, -14\}$$



$$625) |b - 10| - 16 = 9$$

$$\{35, -15\}$$

$$626) \frac{|b + 15|}{12} = -5$$

No solution.

$$627) |-6n| + 10 = 40$$

$$\{-5, 5\}$$

$$628) |20n| - 13 = 27$$

$$\{2, -2\}$$

$$629) -8|x - 2| = -88$$

$$\{13, -9\}$$

$$630) 20|x + 7| = 440$$

$$\{15, -29\}$$

$$631) 5 + |-8x| = 93$$

$$\{-11, 11\}$$

$$632) 5 \left| \frac{x}{10} \right| = 7$$

$$\{14, -14\}$$

$$633) |n - 17| + 15 = 40$$

$$\{42, -8\}$$

$$634) -12|v + 4| = -276$$

$$\{19, -27\}$$

$$635) -12|x + 13| = -72$$

$$\{-7, -19\}$$

$$636) \left| \frac{n}{4} \right| - 13 = -8$$

$$\{20, -20\}$$

$$637) |-13n| + 8 = 138$$

$$\{-10, 10\}$$

$$638) -9 \left| \frac{r}{19} \right| = -9$$

$$\{19, -19\}$$

$$639) 3|13k| = -273$$

No solution.

$$640) -1 + |n - 2| = 10$$

$$\{13, -9\}$$

$$641) -6 + |-16x| = 234$$

$$\{-15, 15\}$$

$$642) |-18 + x| + 10 = 40$$

$$\{48, -12\}$$

$$643) \left| \frac{n}{19} \right| + 11 = 12$$

$$\{19, -19\}$$

$$644) 3 + \left| \frac{v}{16} \right| = 4$$

$$\{16, -16\}$$

$$645) -4|b + 11| = 32$$

No solution.

$$646) \frac{|k - 4|}{11} = 4$$

$$\{48, -40\}$$

$$647) -14|n - 19| = 336$$

No solution.

$$648) \frac{|a + 16|}{5} = 1$$

$$\{-11, -21\}$$

$$649) \left| \frac{a}{13} \right| + 16 = 16$$
$$\{0\}$$

$$650) \left| \frac{m}{11} \right| - 7 = -6$$
$$\{11, -11\}$$

$$651) |b + 7| + 2 = 7$$
$$\{-2, -12\}$$

$$652) |-19 + x| + 14 = 35$$
$$\{40, -2\}$$

$$653) \frac{|x - 15|}{5} = 6$$
$$\{45, -15\}$$

$$654) -3 + \left| \frac{n}{7} \right| = -2$$
$$\{7, -7\}$$

$$655) 10|x + 6| = -150$$
$$\text{No solution.}$$

$$656) 10|-3 + v| = 0$$
$$\{3\}$$

$$657) \frac{|n-1|}{18} = 4$$

$$\{73, -71\}$$

$$658) -7 + |v-15| = 26$$

$$\{48, -18\}$$

$$659) |n+11| + 13 = 15$$

$$\{-9, -13\}$$

$$660) |v+10| - 18 = -11$$

$$\{-3, -17\}$$

**Solve equations with three operations:**

$$661) -7|4+r| = -7$$

$$\{-3, -5\}$$

$$662) |6k+4| + 5 = 15$$

$$\left\{1, -\frac{7}{3}\right\}$$

$$663) |1-3m| + 7 = 21$$

$$\left\{-\frac{13}{3}, 5\right\}$$

$$664) -7|3+3x| = -21$$

$$\{0, -2\}$$

$$665) \frac{|4 + 6p|}{6} = 0$$

$$\left\{-\frac{2}{3}\right\}$$

$$666) 1 + |-5n + 2| = 28$$

$$\left\{-5, \frac{29}{5}\right\}$$

$$667) \frac{|1 + 6n|}{7} = 1$$

$$\left\{1, -\frac{4}{3}\right\}$$

$$668) |3x - 4| + 7 = 7$$

$$\left\{\frac{4}{3}\right\}$$

$$669) \frac{|2b - 2|}{4} = 1$$

$$\{3, -1\}$$

$$670) \frac{|5n + 3|}{5} = 2$$

$$\left\{\frac{7}{5}, -\frac{13}{5}\right\}$$

$$671) |7x - 6| - 3 = 38$$

$$\left\{\frac{47}{7}, -5\right\}$$

$$672) \frac{|2 - 4n|}{5} = 1$$

$$\left\{-\frac{3}{4}, \frac{7}{4}\right\}$$

$$673) \frac{|1 - 6x|}{3} = 1$$

$$\left\{-\frac{1}{3}, \frac{2}{3}\right\}$$

$$674) \frac{|6 + 4p|}{7} = 3$$

$$\left\{\frac{15}{4}, -\frac{27}{4}\right\}$$

$$675) 7|2x + 3| = 35$$

$$\{1, -4\}$$

$$676) |v - 6| - 6 = 0$$

$$\{12, 0\}$$

$$677) \frac{|4 + 3a|}{3} = 1$$

$$\left\{-\frac{1}{3}, -\frac{7}{3}\right\}$$

$$678) |2x + 5| - 6 = -5$$

$$\{-2, -3\}$$

$$679) 7|7n - 1| = 7$$

$$\left\{\frac{2}{7}, 0\right\}$$

$$680) |6b - 3| + 4 = 49$$

$$\{8, -7\}$$

$$681) \frac{|-4 - v|}{7} = 1$$

$\{-11, 3\}$

$$682) \frac{|6x + 4|}{5} = -3$$

No solution.

$$683) |3x + 6| + 3 = -3$$

No solution.

$$684) 5|6x + 3| = 45$$

$\{1, -2\}$

$$685) -2|3b - 2| = -14$$

$\left\{3, -\frac{5}{3}\right\}$

$$686) |-3k - 7| + 7 = 32$$

$\left\{-\frac{32}{3}, 6\right\}$

$$687) \frac{|7p - 7|}{3} = 1$$

$\left\{\frac{10}{7}, \frac{4}{7}\right\}$

$$688) |6 - 5m| + 7 = 16$$

$\left\{-\frac{3}{5}, 3\right\}$



$$689) \frac{|7x+7|}{6} = 0$$
$$\{-1\}$$

$$690) |-4n-1| - 7 = 16$$
$$\left\{-6, \frac{11}{2}\right\}$$

$$691) 5 + |-2a+1| = 12$$
$$\{-3, 4\}$$

$$692) |7a+3| + 5 = 29$$
$$\left\{3, -\frac{27}{7}\right\}$$

$$693) |2x+3| - 6 = -3$$
$$\{0, -3\}$$

$$694) -7 + |-3x-7| = 12$$
$$\left\{-\frac{26}{3}, 4\right\}$$

$$695) \frac{|-5m-2|}{2} = 2$$
$$\left\{-\frac{6}{5}, \frac{2}{5}\right\}$$

$$696) \frac{|3+4n|}{5} = 1$$
$$\left\{\frac{1}{2}, -2\right\}$$

$$697) 2|7n + 5| = 24$$

$$\left\{1, -\frac{17}{7}\right\}$$

$$698) |x + 4| - 5 = -2$$

$$\{-1, -7\}$$

$$699) |7x + 5| + 5 = 42$$

$$\left\{\frac{32}{7}, -6\right\}$$

$$700) |7x + 6| + 6 = 7$$

$$\left\{-\frac{5}{7}, -1\right\}$$

$$701) \frac{|7 - 3p|}{6} = 3$$

$$\left\{-\frac{11}{3}, \frac{25}{3}\right\}$$

$$702) \frac{|4 - 3a|}{3} = 1$$

$$\left\{\frac{1}{3}, \frac{7}{3}\right\}$$

$$703) -3|2r - 1| = -21$$

$$\{4, -3\}$$

$$704) |2 + 3p| - 1 = 1$$

$$\left\{0, -\frac{4}{3}\right\}$$

$$705) 5 + |5 - 2x| = 2$$

No solution.

$$706) |4m + 2| - 7 = 15$$

$\{5, -6\}$

$$707) |3n + 6| + 2 = 17$$

$\{3, -7\}$

$$708) -7|2 - 2x| = -28$$

$\{-1, 3\}$

$$709) \frac{|5 - 5n|}{4} = 2$$

$\left\{-\frac{3}{5}, \frac{13}{5}\right\}$

$$710) 2|-5n - 7| = 16$$

$\left\{-3, \frac{1}{5}\right\}$

$$711) |-7n - 5| + 2 = 25$$

$\left\{-4, \frac{18}{7}\right\}$

$$712) \frac{|3 - 6m|}{6} = 1$$

$\left\{-\frac{1}{2}, \frac{3}{2}\right\}$

$$713) \frac{|3n+6|}{3} = -1$$

No solution.

$$714) -6|x+3| = 18$$

No solution.

$$715) |7+2b| - 5 = 14$$

$\{6, -13\}$

$$716) |7m-2| - 1 = 1$$

$\left\{\frac{4}{7}, 0\right\}$

$$717) -2|1+v| = -16$$

$\{7, -9\}$

$$718) -7|5-6v| = -35$$

$\left\{0, \frac{5}{3}\right\}$

$$719) |4a+5| + 4 = 25$$

$\left\{4, -\frac{13}{2}\right\}$

$$720) |x+2| - 2 = 5$$

$\{5, -9\}$

$$721) |3k - 3| - 5 = 4$$

$$\{4, -2\}$$

$$722) 5 + |-7v + 5| = 3$$

No solution.

$$723) 2|-1 - 5n| = 28$$

$$\left\{-3, \frac{13}{5}\right\}$$

$$724) -2|-4a - 3| = -46$$

$$\left\{-\frac{13}{2}, 5\right\}$$

$$725) -5|5x + 7| = -10$$

$$\left\{-1, -\frac{9}{5}\right\}$$

$$726) |p - 5| - 6 = 0$$

$$\{11, -1\}$$

$$727) -5|4n - 7| = -45$$

$$\left\{4, -\frac{1}{2}\right\}$$

$$728) 5 + |7p - 5| = 24$$

$$\left\{\frac{24}{7}, -2\right\}$$

$$729) -2|1 - x| = -10$$

$$\{-4, 6\}$$

$$730) |-7 + 2x| + 7 = 22$$

$$\{11, -4\}$$

$$731) |7v - 6| - 6 = 49$$

$$\left\{\frac{61}{7}, -7\right\}$$

$$732) 6|1 - 3a| = 24$$

$$\left\{-1, \frac{5}{3}\right\}$$

$$733) 4|6x + 5| = -4$$

No solution.

$$734) -6|-6 + 4x| = -12$$

$$\{2, 1\}$$

$$735) |2n + 5| + 5 = -2$$

No solution.

$$736) \frac{|-4a + 6|}{5} = 3$$

$$\left\{-\frac{9}{4}, \frac{21}{4}\right\}$$

$$737) |4b + 4| + 2 = 18$$

$$\{3, -5\}$$

$$738) 4|x - 2| = 16$$

$$\{6, -2\}$$

$$739) 6|7a + 2| = 30$$

$$\left\{\frac{3}{7}, -1\right\}$$

$$740) 2|6n + 5| = 26$$

$$\left\{\frac{4}{3}, -3\right\}$$

$$741) \frac{|x - 3|}{6} = 1$$

$$\{9, -3\}$$

$$742) \frac{|7 - 5n|}{4} = 3$$

$$\left\{-1, \frac{19}{5}\right\}$$

$$743) |4x - 6| - 3 = 11$$

$$\{5, -2\}$$

$$744) |3 + 5n| - 6 = 12$$

$$\left\{3, -\frac{21}{5}\right\}$$

$$745) 2|-2 - 3x| = 20$$

$$\left\{-4, \frac{8}{3}\right\}$$

$$746) |-6n + 5| + 6 = 53$$

$$\left\{-7, \frac{26}{3}\right\}$$

$$747) -4|1 + 3b| = -8$$

$$\left\{\frac{1}{3}, -1\right\}$$

$$748) |7v - 3| + 4 = 8$$

$$\left\{1, -\frac{1}{7}\right\}$$

$$749) |2x - 1| + 4 = 15$$

$$\{6, -5\}$$

$$750) |6 - 2v| - 1 = 1$$

$$\{2, 4\}$$

$$751) |3r - 2| - 5 = 3$$

$$\left\{\frac{10}{3}, -2\right\}$$

$$752) \frac{|3 - n|}{3} = -2$$

No solution.



$$753) \frac{|-7 + 6b|}{7} = -3$$

No solution.

$$754) 3|4 + x| = 15$$

$\{1, -9\}$

$$755) -4|-3r - 3| = -12$$

$\{-2, 0\}$

$$756) \frac{|5x - 3|}{3} = 1$$

$\left\{\frac{6}{5}, 0\right\}$

$$757) |-7 + 2n| + 6 = 17$$

$\{9, -2\}$

$$758) \frac{|-6 - 5r|}{6} = -1$$

No solution.

$$759) |2p - 5| - 3 = 16$$

$\{12, -7\}$

$$760) |2 - 5n| + 4 = 22$$

$\left\{-\frac{16}{5}, 4\right\}$

$$761) |10 - 3k| - 10 = -9$$

$$\left\{3, \frac{11}{3}\right\}$$

$$762) |12r + 8| + 9 = 113$$

$$\left\{8, -\frac{28}{3}\right\}$$

$$763) -3 + |4x + 12| = -19$$

No solution.

$$764) |-3v - 12| + 8 = 26$$

$$\{-10, 2\}$$

$$765) |8 - 9x| + 5 = 121$$

$$\left\{-12, \frac{124}{9}\right\}$$

$$766) \frac{|4 + 8r|}{9} = 2$$

$$\left\{\frac{7}{4}, -\frac{11}{4}\right\}$$

$$767) 4|-11 + 3n| = 140$$

$$\left\{\frac{46}{3}, -8\right\}$$

$$768) \frac{|8k - 11|}{3} = -6$$

No solution.

$$769) \frac{|3 + 12x|}{2} = 6$$

$$\left\{ \frac{3}{4}, -\frac{5}{4} \right\}$$

$$770) -9 + |9p - 2| = -9$$

$$\left\{ \frac{2}{9} \right\}$$

$$771) \frac{|5x + 5|}{10} = -4$$

No solution.

$$772) -5 + |3 - 4n| = 22$$

$$\left\{ -6, \frac{15}{2} \right\}$$

$$773) |-5 + 2p| - 11 = -11$$

$$\left\{ \frac{5}{2} \right\}$$

$$774) |2x - 1| - 10 = 5$$

$$\{8, -7\}$$

$$775) |9n - 12| - 11 = 13$$

$$\left\{ 4, -\frac{4}{3} \right\}$$

$$776) |5 - 12k| - 4 = -35$$

No solution.

$$777) -4|11m + 9| = -124$$

$$\left\{2, -\frac{40}{11}\right\}$$

$$778) -4|5m + 8| = -128$$

$$\left\{\frac{24}{5}, -8\right\}$$

$$779) |2 - 6r| + 1 = 63$$

$$\left\{-10, \frac{32}{3}\right\}$$

$$780) 7 + |3m + 8| = -15$$

No solution.

$$781) -12|11 + x| = -60$$

$$\{-6, -16\}$$

$$782) -4|1 + 6m| = -92$$

$$\left\{\frac{11}{3}, -4\right\}$$

$$783) \frac{|11k + 6|}{6} = 6$$

$$\left\{\frac{30}{11}, -\frac{42}{11}\right\}$$

$$784) \frac{|2 + 8v|}{5} = 1$$

$$\left\{\frac{3}{8}, -\frac{7}{8}\right\}$$

$$785) -5|4m - 9| = -95$$

$$\left\{7, -\frac{5}{2}\right\}$$

$$786) -9|10 + 4p| = -90$$

$$\{0, -5\}$$

$$787) \frac{|-1 - 3x|}{2} = 0$$

$$\left\{-\frac{1}{3}\right\}$$

$$788) |5x + 5| + 5 = 30$$

$$\{4, -6\}$$

$$789) \frac{|-10 + x|}{6} = 5$$

$$\{40, -20\}$$

$$790) 10 + |12 + 6a| = 28$$

$$\{1, -5\}$$

$$791) \frac{|5k - 2|}{7} = 2$$

$$\left\{\frac{16}{5}, -\frac{12}{5}\right\}$$

$$792) 7 + |3 + 7p| = 80$$

$$\left\{10, -\frac{76}{7}\right\}$$

$$793) \quad |-11k - 12| - 4 = 85$$

$$\left\{ -\frac{101}{11}, 7 \right\}$$

$$794) \quad \frac{|-7p - 9|}{7} = 2$$

$$\left\{ -\frac{23}{7}, \frac{5}{7} \right\}$$

$$795) \quad |3 + 9x| - 9 = -33$$

No solution.

$$796) \quad 8 + |7x - 4| = 12$$

$$\left\{ \frac{8}{7}, 0 \right\}$$

$$797) \quad \frac{|7n + 6|}{6} = 3$$

$$\left\{ \frac{12}{7}, -\frac{24}{7} \right\}$$

$$798) \quad |11 + 10a| - 4 = 45$$

$$\left\{ \frac{19}{5}, -6 \right\}$$

$$799) \quad |7a + 3| + 12 = 99$$

$$\left\{ 12, -\frac{90}{7} \right\}$$

$$800) \quad |10 + 2n| + 4 = -10$$

No solution.

$$801) -10|7x + 3| = -110$$

$$\left\{ \frac{8}{7}, -2 \right\}$$

$$802) |5x + 8| - 12 = -12$$

$$\left\{ -\frac{8}{5} \right\}$$

$$803) |6x + 4| - 10 = -18$$

No solution.

$$804) 5|5 + k| = 50$$

$$\{5, -15\}$$

$$805) \frac{|-3 - 11k|}{11} = -1$$

No solution.

$$806) 7|12p - 3| = 105$$

$$\left\{ \frac{3}{2}, -1 \right\}$$

$$807) \frac{|9r - 11|}{7} = 5$$

$$\left\{ \frac{46}{9}, -\frac{8}{3} \right\}$$

$$808) |-4r - 11| - 5 = 46$$

$$\left\{ -\frac{31}{2}, 10 \right\}$$

$$809) \frac{|-12v + 9|}{9} = 0$$

$$\left\{ \frac{3}{4} \right\}$$

$$810) |7x + 11| + 7 = 24$$

$$\left\{ \frac{6}{7}, -4 \right\}$$

$$811) |6r - 12| - 12 = 42$$

$$\{11, -7\}$$

$$812) 10|12b - 3| = 150$$

$$\left\{ \frac{3}{2}, -1 \right\}$$

$$813) 11|12 - 11a| = 11$$

$$\left\{ 1, \frac{13}{11} \right\}$$

$$814) 11|11 + 7n| = 44$$

$$\left\{ -1, -\frac{15}{7} \right\}$$

$$815) |-5n - 6| - 12 = -12$$

$$\left\{ -\frac{6}{5} \right\}$$

$$816) -10 + |12 - 4b| = -50$$

No solution.



$$817) 8|-11x - 4| = 120$$

$$\left\{-\frac{19}{11}, 1\right\}$$

$$818) |-5n - 5| + 11 = 56$$

$$\{-10, 8\}$$

$$819) -8|7 - 11b| = 0$$

$$\left\{\frac{7}{11}\right\}$$

$$820) 4 + |5x + 8| = 21$$

$$\left\{\frac{9}{5}, -5\right\}$$

$$821) \frac{|6n - 4|}{10} = 3$$

$$\left\{\frac{17}{3}, -\frac{13}{3}\right\}$$

$$822) |7 - 10x| + 3 = 76$$

$$\left\{-\frac{33}{5}, 8\right\}$$

$$823) \frac{|m - 11|}{8} = 6$$

$$\{59, -37\}$$

$$824) \frac{|11x + 2|}{2} = 6$$

$$\left\{\frac{10}{11}, -\frac{14}{11}\right\}$$

$$825) \frac{|3m + 4|}{4} = 2$$

$$\left\{ \frac{4}{3}, -4 \right\}$$

$$826) \frac{|-11k - 8|}{12} = 3$$

$$\left\{ -4, \frac{28}{11} \right\}$$

$$827) -1 + |-7 - 6x| = 46$$

$$\left\{ -9, \frac{20}{3} \right\}$$

$$828) |-8k + 7| + 11 = 50$$

$$\left\{ -4, \frac{23}{4} \right\}$$

$$829) |12 + 9r| - 1 = 119$$

$$\left\{ 12, -\frac{44}{3} \right\}$$

$$830) |-v + 6| - 4 = 1$$

$$\{1, 11\}$$

$$831) 8 + |10n + 11| = 59$$

$$\left\{ 4, -\frac{31}{5} \right\}$$

$$832) \frac{|5b + 6|}{8} = 3$$

$$\left\{ \frac{18}{5}, -6 \right\}$$

$$833) \frac{|7k + 11|}{3} = 2$$

$$\left\{-\frac{5}{7}, -\frac{17}{7}\right\}$$

$$834) |3 + 12n| + 6 = 69$$

$$\left\{5, -\frac{11}{2}\right\}$$

$$835) 12 + |10 - x| = 16$$

$$\{6, 14\}$$

$$836) |10b - 12| + 5 = 67$$

$$\left\{\frac{37}{5}, -5\right\}$$

$$837) |11v + 8| - 5 = 31$$

$$\left\{\frac{28}{11}, -4\right\}$$

$$838) 12 + |11n + 2| = 131$$

$$\left\{\frac{117}{11}, -11\right\}$$

$$839) 2|-2b + 3| = 30$$

$$\{-6, 9\}$$

$$840) \frac{|5 + r|}{5} = 5$$

$$\{20, -30\}$$

$$841) \frac{|x - 12|}{7} = -4$$

No solution.

$$842) |6 + 12r| - 2 = 112$$

$\{9, -10\}$

$$843) \frac{|12 - 9r|}{2} = 4$$

$\left\{\frac{4}{9}, \frac{20}{9}\right\}$

$$844) \frac{|11 - 11r|}{6} = 4$$

$\left\{-\frac{13}{11}, \frac{35}{11}\right\}$

$$845) |n + 9| - 4 = 0$$

$\{-5, -13\}$

$$846) 5|4n - 10| = 90$$

$\{7, -2\}$

$$847) -10 + |7a - 4| = -28$$

No solution.

$$848) 11|8 + 5v| = 0$$

$\left\{-\frac{8}{5}\right\}$

$$849) 5|12n + 3| = 105$$

$$\left\{\frac{3}{2}, -2\right\}$$

$$850) \frac{|1 + 9v|}{2} = 2$$

$$\left\{\frac{1}{3}, -\frac{5}{9}\right\}$$

$$851) |4x + 8| + 5 = 45$$

$$\{8, -12\}$$

$$852) |5x + 10| + 7 = 32$$

$$\{3, -7\}$$

$$853) \frac{|9b + 5|}{5} = 4$$

$$\left\{\frac{5}{3}, -\frac{25}{9}\right\}$$

$$854) |5 - 10n| - 5 = 0$$

$$\{0, 1\}$$

$$855) 4|9 - 6v| = 60$$

$$\{-1, 4\}$$

$$856) -1 + |11r + 2| = 122$$

$$\left\{11, -\frac{125}{11}\right\}$$

$$857) 12|-5 - 11n| = 60$$

$$\left\{-\frac{10}{11}, 0\right\}$$

$$858) |12v + 9| - 9 = 42$$

$$\left\{\frac{7}{2}, -5\right\}$$

$$859) 8|12 - 4n| = 128$$

$$\{-1, 7\}$$

$$860) \frac{|4v + 10|}{2} = -5$$

No solution.

$$861) |-4 + x| + 5 = 12$$

$$\{11, -3\}$$

$$862) 5\left|\frac{m}{4}\right| + 9 = -1$$

No solution.

$$863) -7 + 10\left|\frac{p}{7}\right| = -17$$

No solution.

$$864) 5|-5b| - 6 = 69$$

$$\{-3, 3\}$$

$$865) 6 \left| \frac{n}{10} \right| + 1 = -5$$

No solution.

$$866) 2 - 7|n + 3| = -19$$

$\{0, -6\}$

$$867) 11 \left| \frac{x}{3} \right| - 3 = 30$$

$\{9, -9\}$

$$868) -5|a + 9| - 12 = -17$$

$\{-8, -10\}$

$$869) 7 \left| \frac{a}{7} \right| + 8 = 9$$

$\{1, -1\}$

$$870) 7 - \left| \frac{n}{3} \right| = 4$$

$\{9, -9\}$

$$871) 11 - 12 \left| \frac{a}{12} \right| = 6$$

$\{5, -5\}$

$$872) 6|n + 5| + 4 = 16$$

$\{-3, -7\}$

$$873) 12|-7k| - 2 = 82$$

$$\{-1, 1\}$$

$$874) 12 - 12|-5 + v| = -156$$

$$\{19, -9\}$$

$$875) 1 + 12|n - 7| = 61$$

$$\{12, 2\}$$

$$876) 7|-6m| + 9 = 135$$

$$\{-3, 3\}$$

$$877) 9|-5 + n| - 3 = 15$$

$$\{7, 3\}$$

$$878) 2|-9 + x| - 9 = -3$$

$$\{12, 6\}$$

$$879) 4|x - 1| + 12 = 36$$

$$\{7, -5\}$$

$$880) 6 + 11|n - 5| = 39$$

$$\{8, 2\}$$



$$881) 9|6+n| - 6 = 30$$

$$\{-2, -10\}$$

$$882) 12 + 6|r+7| = 90$$

$$\{6, -20\}$$

$$883) -7|-2x| - 7 = -133$$

$$\{-9, 9\}$$

$$884) -6 - 3|4x| = -114$$

$$\{9, -9\}$$

$$885) 8|b-12| - 10 = 38$$

$$\{18, 6\}$$

$$886) 12 - 3|-9+n| = -3$$

$$\{14, 4\}$$

$$887) 4 + 6|6x| = 148$$

$$\{4, -4\}$$

$$888) 1 - 10|8x| = 81$$

No solution.

$$889) -10 - 2|-5n| = -40$$

$$\{-3, 3\}$$

$$890) 7|4r| + 6 = 90$$

$$\{3, -3\}$$

$$891) 9|m - 12| + 2 = 20$$

$$\{14, 10\}$$

$$892) 2 - 12|x + 9| = -118$$

$$\{1, -19\}$$

$$893) -2 - 11|x + 11| = -134$$

$$\{1, -23\}$$

$$894) 9|-7x| - 5 = 58$$

$$\{-1, 1\}$$

$$895) 12 + 4|1 + x| = 20$$

$$\{1, -3\}$$

$$896) 7|n - 9| - 8 = 132$$

$$\{29, -11\}$$

$$897) 8|m + 10| - 5 = 51$$

$$\{-3, -17\}$$

$$898) 4 - 9|n - 4| = -86$$

$$\{14, -6\}$$

$$899) 5 + |x + 5| = 21$$

$$\{11, -21\}$$

$$900) -10 - 11|12b| = -142$$

$$\{1, -1\}$$

$$901) -10 + 11|-6k| = 56$$

$$\{-1, 1\}$$

$$902) -4\left|\frac{n}{4}\right| + 5 = 18$$

No solution.

$$903) |p + 9| + 1 = 2$$

$$\{-8, -10\}$$

$$904) 11|k - 7| + 1 = 100$$

$$\{16, -2\}$$

$$905) 1 + 2|n - 9| = 31$$

$$\{24, -6\}$$

$$906) 11 \left| \frac{m}{11} \right| + 7 = 14$$

$$\{7, -7\}$$

$$907) -6|-12n| - 6 = -78$$

$$\{-1, 1\}$$

$$908) 10|n - 7| - 8 = 62$$

$$\{14, 0\}$$

$$909) 6|-10r| + 5 = 125$$

$$\{-2, 2\}$$

$$910) 11 - 6|v - 4| = 89$$

No solution.

$$911) -1 - 5|v + 7| = -26$$

$$\{-2, -12\}$$

$$912) 10 - 5|-12n| = 10$$

$$\{0\}$$

$$913) 10 + 10|-8x| = -70$$

No solution.

$$914) \left| \frac{p}{7} \right| + 11 = 12$$

$\{7, -7\}$

$$915) 5 - 9|-4 + x| = 14$$

No solution.

$$916) |r - 4| - 9 = 1$$

$\{14, -6\}$

$$917) 6 - 11|x + 5| = -27$$

$\{-2, -8\}$

$$918) -11 - 5|k + 11| = -76$$

$\{2, -24\}$

$$919) 6 \left| \frac{m}{3} \right| - 4 = -4$$

$\{0\}$

$$920) -6 \left| \frac{n}{3} \right| - 3 = -3$$

$\{0\}$

$$921) 3|n+4| - 9 = 12$$

$$\{3, -11\}$$

$$922) |-5x| - 4 = 16$$

$$\{-4, 4\}$$

$$923) 2|n-4| + 7 = 21$$

$$\{11, -3\}$$

$$924) -12\left|\frac{b}{9}\right| + 2 = -2$$

$$\{3, -3\}$$

$$925) 6\left|\frac{x}{11}\right| - 8 = -2$$

$$\{11, -11\}$$

$$926) 7 + 5\left|\frac{x}{3}\right| = 7$$

$$\{0\}$$

$$927) -4|n+10| + 9 = 9$$

$$\{-10\}$$

$$928) -11 - 12|p+1| = -131$$

$$\{9, -11\}$$

$$929) 10 - 5|v - 1| = -15$$

$$\{6, -4\}$$

$$930) 3|6x| - 7 = 29$$

$$\{2, -2\}$$

$$931) 6 - 9\left|\frac{n}{10}\right| = 15$$

No solution.

$$932) 2|x - 11| + 3 = 25$$

$$\{22, 0\}$$

$$933) 6 - 6\left|\frac{b}{6}\right| = -1$$

$$\{7, -7\}$$

$$934) 9|x - 4| + 1 = 73$$

$$\{12, -4\}$$

$$935) -7|-10p| + 5 = -65$$

$$\{-1, 1\}$$

$$936) -5 + 2\left|\frac{v}{9}\right| = -3$$

$$\{9, -9\}$$

$$937) 9 + 7|p + 11| = 51$$

$$\{-5, -17\}$$

$$938) 9\left|\frac{v}{5}\right| - 11 = -2$$

$$\{5, -5\}$$

$$939) 11|4a| - 4 = 128$$

$$\{3, -3\}$$

$$940) 10 - 10\left|\frac{x}{11}\right| = 0$$

$$\{11, -11\}$$

$$941) |a + 2| - 8 = 1$$

$$\{7, -11\}$$

$$942) 8 + 7\left|\frac{x}{9}\right| = 15$$

$$\{9, -9\}$$

$$943) -3 - 10|n - 4| = -23$$

$$\{6, 2\}$$

$$944) -|p + 7| + 8 = 10$$

No solution.



$$945) -8|-9r| - 12 = -12$$

$$\{0\}$$

$$946) -2|n + 7| - 6 = -10$$

$$\{-5, -9\}$$

$$947) 10|n - 9| + 3 = 3$$

$$\{9\}$$

$$948) 8|2x| - 1 = 47$$

$$\{3, -3\}$$

$$949) 4\left|\frac{b}{3}\right| - 8 = 4$$

$$\{9, -9\}$$

$$950) 4 + 5\left|\frac{x}{8}\right| = 9$$

$$\{8, -8\}$$

$$951) 2 + 6|x + 5| = 32$$

$$\{0, -10\}$$

$$952) 9\left|\frac{m}{2}\right| + 5 = 14$$

$$\{2, -2\}$$

$$953) 10|b + 3| + 6 = 116$$

$$\{8, -14\}$$

$$954) 7 - 8|2 + n| = -33$$

$$\{3, -7\}$$

$$955) 9|-2a| + 3 = 39$$

$$\{-2, 2\}$$

$$956) 2 + 7|b - 5| = 100$$

$$\{19, -9\}$$

$$957) -|n - 4| + 3 = -11$$

$$\{18, -10\}$$

$$958) -3|m - 10| + 5 = -22$$

$$\{19, 1\}$$

$$959) -1 + 9|-11x| = 98$$

$$\{-1, 1\}$$

$$960) |-4 + r| - 10 = -5$$

$$\{9, -1\}$$

$$961) -10|39n| + 30 = -750$$

$$\{2, -2\}$$

$$962) 6 + 3|m + 33| = 120$$

$$\{5, -71\}$$

$$963) 38|k - 24| + 14 = 90$$

$$\{26, 22\}$$

$$964) 25|37p| - 13 = 912$$

$$\{1, -1\}$$

$$965) 28|38 + x| - 3 = 893$$

$$\{-6, -70\}$$

$$966) 11|b - 6| + 13 = 200$$

$$\{23, -11\}$$

$$967) 16|x + 24| - 36 = 172$$

$$\{-11, -37\}$$

$$968) 20\left|\frac{k}{25}\right| - 11 = 5$$

$$\{20, -20\}$$

$$969) 23 + 6 \left| \frac{a}{33} \right| = 25$$

$$\{11, -11\}$$

$$970) 30 + 3|b + 3| = 39$$

$$\{0, -6\}$$

$$971) 27 + 37|m - 38| = 1433$$

$$\{76, 0\}$$

$$972) 27|34x| + 31 = 949$$

$$\{1, -1\}$$

$$973) -16 - 35|-22b| = -1556$$

$$\{-2, 2\}$$

$$974) 27 + 11|21b| = 720$$

$$\{3, -3\}$$

$$975) -20|k - 2| - 26 = -106$$

$$\{6, -2\}$$

$$976) 8 - 8 \left| \frac{n}{25} \right| = 0$$

$$\{25, -25\}$$

$$977) 17 - 6|31r| = -1471$$

$$\{8, -8\}$$

$$978) 20|n - 17| + 12 = 252$$

$$\{29, 5\}$$

$$979) 27\left|\frac{x}{39}\right| - 37 = -10$$

$$\{39, -39\}$$

$$980) 31|-38n| + 2 = 1180$$

$$\{-1, 1\}$$

$$981) 10 + 14|x + 13| = -144$$

No solution.

$$982) 36|a + 12| - 35 = -1007$$

No solution.

$$983) -7|b - 19| - 10 = -143$$

$$\{38, 0\}$$

$$984) 40 + 6|22n| = 568$$

$$\{4, -4\}$$

$$985) 7 - 31|x + 38| = -1295$$

$$\{4, -80\}$$

$$986) 29|r + 1| + 11 = 446$$

$$\{14, -16\}$$

$$987) 24 - 22|n + 25| = 2$$

$$\{-24, -26\}$$

$$988) 37|b + 9| + 16 = 1015$$

$$\{18, -36\}$$

$$989) 16 + 27|6n| = 988$$

$$\{6, -6\}$$

$$990) 13 - 13|a + 35| = -793$$

$$\{27, -97\}$$

$$991) -8|n - 14| - 35 = -67$$

$$\{18, 10\}$$

$$992) 21|b + 31| - 25 = 374$$

$$\{-12, -50\}$$

$$993) 36|x - 35| - 7 = 1613$$

$\{80, -10\}$

$$994) 35 - 24|n + 8| = -13$$

$\{-6, -10\}$

$$995) 13|x - 27| - 21 = 135$$

$\{39, 15\}$

$$996) 12|-21 + m| - 18 = 570$$

$\{70, -28\}$

$$997) 27\left|\frac{x}{6}\right| + 22 = -113$$

No solution.

$$998) 31 + 9\left|\frac{x}{17}\right| = 22$$

No solution.

$$999) 16|x + 22| - 9 = 23$$

$\{-20, -24\}$

$$1000) 23|38 + m| + 12 = 1392$$

$\{22, -98\}$

$$1001) 12 + 8|x - 10| = 396$$

$$\{58, -38\}$$

$$1002) 28 - 17\left|\frac{n}{8}\right| = 96$$

No solution.

$$1003) 20 + 38|8k| = 932$$

$$\{3, -3\}$$

$$1004) 14 - 39|12x| = 482$$

No solution.

$$1005) -40 - 39|n - 19| = -40$$

$$\{19\}$$

$$1006) 29 - 22\left|\frac{v}{17}\right| = 7$$

$$\{17, -17\}$$

$$1007) 25|10 + x| + 1 = -199$$

No solution.

$$1008) 24\left|\frac{n}{23}\right| - 15 = 9$$

$$\{23, -23\}$$



$$1009) \quad |-26 + k| + 26 = 86$$

$$\{86, -34\}$$

$$1010) \quad 8|n + 37| + 6 = 222$$

$$\{-10, -64\}$$

$$1011) \quad -30|m - 33| - 30 = -720$$

$$\{56, 10\}$$

$$1012) \quad 13\left|\frac{v}{13}\right| + 3 = 12$$

$$\{9, -9\}$$

$$1013) \quad -18 + 6|-30r| = 1602$$

$$\{-9, 9\}$$

$$1014) \quad 27 - 4|x - 32| = 155$$

No solution.

$$1015) \quad 33 + 21|x + 21| = 1020$$

$$\{26, -68\}$$

$$1016) \quad 31 + 2|35m| = 1501$$

$$\{21, -21\}$$

$$1017) -19|n + 38| + 16 = -687$$

$$\{-1, -75\}$$

$$1018) 2|r - 31| + 35 = 135$$

$$\{81, -19\}$$

$$1019) 9|25n| + 13 = 238$$

$$\{1, -1\}$$

$$1020) 15\left|\frac{n}{9}\right| + 18 = 73$$

$$\{33, -33\}$$

$$1021) 24 + 20|30p| = 624$$

$$\{1, -1\}$$

$$1022) 34 + 12|n + 5| = -134$$

No solution.

$$1023) 6|x - 8| + 21 = 207$$

$$\{39, -23\}$$

$$1024) 34|28x| - 19 = 933$$

$$\{1, -1\}$$

$$1025) 21 \left| \frac{k}{27} \right| + 32 = 53$$

$$\{27, -27\}$$

$$1026) 40|x - 17| - 24 = 296$$

$$\{25, 9\}$$

$$1027) 13 + \left| \frac{a}{8} \right| = 17$$

$$\{32, -32\}$$

$$1028) 17 - 36 \left| \frac{p}{31} \right| = -19$$

$$\{31, -31\}$$

$$1029) 6|v + 32| + 9 = 189$$

$$\{-2, -62\}$$

$$1030) 33 + 24|n - 7| = 777$$

$$\{38, -24\}$$

$$1031) 26|-15r| - 12 = 378$$

$$\{-1, 1\}$$

$$1032) 24 + 3|b + 5| = 72$$

$$\{11, -21\}$$

$$1033) 11 \left| \frac{n}{24} \right| - 16 = -5$$

$$\{24, -24\}$$

$$1034) 26 + 29 |29p| = 867$$

$$\{1, -1\}$$

$$1035) 11 \left| \frac{v}{2} \right| - 40 = -117$$

No solution.

$$1036) 14 \left| \frac{x}{37} \right| - 40 = -26$$

$$\{37, -37\}$$

$$1037) -30 - 36 \left| \frac{x}{33} \right| = -30$$

$$\{0\}$$

$$1038) 2 + 6 |-21 + r| = 254$$

$$\{63, -21\}$$

$$1039) 32 + 14 \left| \frac{m}{32} \right| = 39$$

$$\{16, -16\}$$

$$1040) 39 - 3 \left| \frac{p}{23} \right| = 36$$

$$\{23, -23\}$$

$$1041) 31 \left| \frac{a}{14} \right| - 33 = 29$$

$$\{28, -28\}$$

$$1042) -17|19n| + 11 = -1281$$

$$\{4, -4\}$$

$$1043) 40|k + 7| - 8 = 1352$$

$$\{27, -41\}$$

$$1044) 40 \left| \frac{n}{26} \right| + 10 = 50$$

$$\{26, -26\}$$

$$1045) 26 - 22|x - 25| = 444$$

No solution.

$$1046) 10 - 2|-11n| = -276$$

$$\{-13, 13\}$$

$$1047) -35 - |r + 2| = -53$$

$$\{16, -20\}$$

$$1048) 40|k + 29| - 35 = 1045$$

$$\{-2, -56\}$$

$$1049) 33 - 35|x - 29| = -1332$$

$$\{68, -10\}$$

$$1050) 27|b + 17| + 29 = 650$$

$$\{6, -40\}$$

$$1051) -22|b - 31| + 40 = -1192$$

$$\{87, -25\}$$

$$1052) -32|x + 32| + 30 = 30$$

$$\{-32\}$$

$$1053) -19\left|\frac{n}{15}\right| - 38 = -19$$

No solution.

$$1054) 25 - 29|19r| = -1628$$

$$\{3, -3\}$$

$$1055) 21 - 7\left|\frac{x}{20}\right| = 7$$

$$\{40, -40\}$$

$$1056) -12|b - 7| - 5 = 343$$

No solution.

$$1057) 24|b + 39| + 22 = 1342$$

$$\{16, -94\}$$

$$1058) 36 + 35|-21 + x| = 316$$

$$\{29, 13\}$$

$$1059) 12 - 27|-24p| = -1284$$

$$\{-2, 2\}$$

$$1060) 21 - 14\left|\frac{n}{26}\right| = 21$$

$$\{0\}$$

**Solve equations with four or more operations:**

$$1061) 8|4a + 1| + 4 = 44$$

$$\left\{1, -\frac{3}{2}\right\}$$

$$1062) 6|7r - 4| - 3 = 15$$

$$\left\{1, \frac{1}{7}\right\}$$

$$1063) 3|-x - 2| - 4 = 8$$

$$\{-6, 2\}$$

$$1064) 4|2 - 8n| - 2 = 70$$

$$\left\{-2, \frac{5}{2}\right\}$$

$$1065) 4|n - 2| + 6 = 10$$

$$\{3, 1\}$$

$$1066) 3 - 4|x + 5| = -17$$

$$\{0, -10\}$$

$$1067) 8|-5x - 4| - 8 = 64$$

$$\left\{-\frac{13}{5}, 1\right\}$$

$$1068) -8|n - 4| + 4 = 36$$

No solution.

$$1069) -6|-5n - 2| + 4 = -44$$

$$\left\{-2, \frac{6}{5}\right\}$$

$$1070) |-7 - 5a| + 4 = 2$$

No solution.

$$1071) 7|7 - 5k| + 2 = 16$$

$$\left\{1, \frac{9}{5}\right\}$$

$$1072) 6 + 7|7 - 4x| = 41$$

$$\left\{\frac{1}{2}, 3\right\}$$



$$1073) 8|2 + 7n| + 5 = 77$$

$$\left\{1, -\frac{11}{7}\right\}$$

$$1074) 4|6k - 4| - 7 = 33$$

$$\left\{\frac{7}{3}, -1\right\}$$

$$1075) -2|5 + 8v| + 1 = -5$$

$$\left\{-\frac{1}{4}, -1\right\}$$

$$1076) -3|2x - 8| - 5 = -53$$

$$\{12, -4\}$$

$$1077) 8|2b - 1| - 6 = 34$$

$$\{3, -2\}$$

$$1078) 2|4 - 5m| - 1 = 37$$

$$\left\{-3, \frac{23}{5}\right\}$$

$$1079) 7|-r + 8| + 2 = 51$$

$$\{1, 15\}$$

$$1080) 3 + 2|4n + 6| = 15$$

$$\{0, -3\}$$

$$1081) 3|-1 - 8a| - 3 = 24$$

$$\left\{-\frac{5}{4}, 1\right\}$$

$$1082) 7 - 7|-2 - 4n| = -7$$

$$\{-1, 0\}$$

$$1083) 2 - 6|-3p + 4| = 14$$

No solution.

$$1084) 4 - 2|7x - 8| = 62$$

No solution.

$$1085) 7 - 6|-7x + 8| = -71$$

$$\left\{-\frac{5}{7}, 3\right\}$$

$$1086) -4|6 + 3x| - 3 = -51$$

$$\{2, -6\}$$

$$1087) -1 + |7n + 4| = 23$$

$$\left\{\frac{20}{7}, -4\right\}$$

$$1088) -5 - 5|-7 - 8k| = -80$$

$$\left\{-\frac{11}{4}, 1\right\}$$

$$1089) -5|5 + 6b| + 6 = -29$$

$$\left\{\frac{1}{3}, -2\right\}$$

$$1090) 4|2 - p| + 8 = 28$$

$$\{-3, 7\}$$

$$1091) 5 - 2|x + 6| = -15$$

$$\{4, -16\}$$

$$1092) 3|2x - 7| + 8 = 11$$

$$\{4, 3\}$$

$$1093) 8|-m - 5| + 1 = 1$$

$$\{-5\}$$

$$1094) -5 + 5|5 + n| = 30$$

$$\{2, -12\}$$

$$1095) 2|8 + 5x| - 3 = 3$$

$$\left\{-1, -\frac{11}{5}\right\}$$

$$1096) 8|3n + 1| - 7 = 49$$

$$\left\{2, -\frac{8}{3}\right\}$$

$$1097) 5|3m + 3| + 3 = 33$$

$$\{1, -3\}$$

$$1098) 3 + 2|-7v + 3| = 51$$

$$\left\{-3, \frac{27}{7}\right\}$$

$$1099) -8|8n + 8| + 5 = -59$$

$$\{0, -2\}$$

$$1100) -6 + 2|-2x + 1| = 16$$

$$\{-5, 6\}$$

$$1101) 1 + |3 - 6x| = 52$$

$$\{-8, 9\}$$

$$1102) -3|-b - 3| + 5 = -13$$

$$\{-9, 3\}$$

$$1103) 4|a + 4| - 6 = 2$$

$$\{-2, -6\}$$

$$1104) 8|2p - 7| + 7 = 31$$

$$\{5, 2\}$$

$$1105) 5|3x - 2| - 3 = 52$$

$$\left\{\frac{13}{3}, -3\right\}$$

$$1106) 2|7 + 5x| - 1 = -1$$

$$\left\{-\frac{7}{5}\right\}$$

$$1107) -4|1 - 5v| - 2 = -78$$

$$\left\{-\frac{18}{5}, 4\right\}$$

$$1108) -6|6 + 2n| - 5 = -5$$

$$\{-3\}$$

$$1109) 3|-5 - r| + 4 = 19$$

$$\{-10, 0\}$$

$$1110) -8|-x - 1| + 6 = -2$$

$$\{-2, 0\}$$

$$1111) 8|-4n + 2| - 7 = 73$$

$$\{-2, 3\}$$

$$1112) -4 + 6|x + 4| = 2$$

$$\{-3, -5\}$$

$$1113) 5 - 3|3 + x| = -16$$

$$\{4, -10\}$$

$$1114) 8|-6b + 6| - 4 = 44$$

$$\{0, 2\}$$

$$1115) 4|4n - 4| - 6 = 10$$

$$\{2, 0\}$$

$$1116) 2|4x + 5| + 7 = 7$$

$$\left\{-\frac{5}{4}\right\}$$

$$1117) 8 + 3|4 + 4x| = 56$$

$$\{3, -5\}$$

$$1118) -2 - 2|7 + 2x| = -4$$

$$\{-3, -4\}$$

$$1119) -5 + 7|-2k + 3| = 58$$

$$\{-3, 6\}$$

$$1120) 8 - 6|4 + 8x| = -16$$

$$\{0, -1\}$$

$$1121) -4 - 7|-5 - 8b| = -25$$

$$\left\{-1, -\frac{1}{4}\right\}$$

$$1122) 4|6 + 3v| - 6 = 42$$

$$\{2, -6\}$$

$$1123) 8 + 7|-7 + v| = 22$$

$$\{9, 5\}$$

$$1124) 4|4x - 3| + 6 = -54$$

No solution.

$$1125) -|7x - 2| - 5 = -42$$

$$\left\{\frac{39}{7}, -5\right\}$$

$$1126) 3|2k - 3| - 7 = 38$$

$$\{9, -6\}$$

$$1127) 8|-2n + 8| - 4 = 28$$

$$\{2, 6\}$$

$$1128) -4 - 2|5x - 5| = -44$$

$$\{5, -3\}$$

$$1129) 5 + |5 + 2n| = 24$$

$$\{7, -12\}$$

$$1130) -6 - 7|-5n + 7| = -6$$

$$\left\{\frac{7}{5}\right\}$$

$$1131) -7|-7 - 4x| - 7 = -56$$

$$\left\{-\frac{7}{2}, 0\right\}$$

$$1132) -6|2 - 7x| - 2 = 28$$

No solution.

$$1133) 2|v - 4| + 1 = 7$$

$$\{7, 1\}$$

$$1134) 6 + 2|v + 6| = 30$$

$$\{6, -18\}$$

$$1135) -2|8 - 5k| + 5 = 49$$

No solution.

$$1136) 2|3k + 2| + 7 = -1$$

No solution.



$$1137) -7|2n + 1| + 2 = -47$$

$$\{3, -4\}$$

$$1138) 8 - 5|-6 - 2k| = 18$$

No solution.

$$1139) 8|4x + 1| - 1 = 71$$

$$\left\{2, -\frac{5}{2}\right\}$$

$$1140) -6 + 2|4 + 3p| = 10$$

$$\left\{\frac{4}{3}, -4\right\}$$

$$1141) 8 + 4|8n - 8| = 40$$

$$\{2, 0\}$$

$$1142) -5 + 7|7a - 5| = 58$$

$$\left\{2, -\frac{4}{7}\right\}$$

$$1143) 3 - 5|7 + 6r| = 58$$

No solution.

$$1144) 3 - 4|6 - 2n| = -53$$

$$\{-4, 10\}$$

$$1145) -3|4x + 2| - 2 = -56$$

$$\{4, -5\}$$

$$1146) 4|3 + 6p| + 6 = -54$$

No solution.

$$1147) 3|3x + 3| + 7 = 7$$

$$\{-1\}$$

$$1148) 3 + 3|3 + 6m| = 12$$

$$\{0, -1\}$$

$$1149) 4|8x + 7| - 8 = 28$$

$$\left\{\frac{1}{4}, -2\right\}$$

$$1150) 3|6x - 7| - 7 = 14$$

$$\left\{\frac{7}{3}, 0\right\}$$

$$1151) 8|2x + 6| - 1 = -49$$

No solution.

$$1152) 8|-4p - 6| - 1 = 47$$

$$\{-3, 0\}$$

$$1153) 8|2p + 4| - 4 = -52$$

No solution.

$$1154) 6 - |x - 3| = 6$$

$\{3\}$

$$1155) -4|2v + 3| + 4 = 24$$

No solution.

$$1156) -1 + 5|3n + 3| = -61$$

No solution.

$$1157) 5|6r + 6| - 8 = 22$$

$\{0, -2\}$

$$1158) 5 - 8|k - 1| = 29$$

No solution.

$$1159) |6x + 1| + 1 = 20$$

$\left\{3, -\frac{10}{3}\right\}$

$$1160) -3 + |5x + 5| = 42$$

$\{8, -10\}$

$$1161) 10|6n + 6| + 9 = 69$$

$$\{0, -2\}$$

$$1162) 9 - 9|8 + 9n| = 0$$

$$\left\{-\frac{7}{9}, -1\right\}$$

$$1163) 9|-9 + 7k| + 7 = 115$$

$$\left\{3, -\frac{3}{7}\right\}$$

$$1164) 5 - 10|-9 - 2x| = -5$$

$$\{-5, -4\}$$

$$1165) -5|-2r - 10| - 4 = -104$$

$$\{-15, 5\}$$

$$1166) 6|-9 + 2x| - 6 = 48$$

$$\{9, 0\}$$

$$1167) 5|6x + 2| - 9 = 11$$

$$\left\{\frac{1}{3}, -1\right\}$$

$$1168) 8 + 8|4n + 7| = 80$$

$$\left\{\frac{1}{2}, -4\right\}$$

$$1169) 6|3 - 8x| + 9 = 87$$

$$\left\{-\frac{5}{4}, 2\right\}$$

$$1170) 3|5x - 8| - 3 = 51$$

$$\left\{\frac{26}{5}, -2\right\}$$

$$1171) -6|6p - 1| + 9 = -93$$

$$\left\{3, -\frac{8}{3}\right\}$$

$$1172) 2|-2a - 3| + 1 = 15$$

$$\{-5, 2\}$$

$$1173) -10 + 4|8x - 7| = -70$$

**No solution.**

$$1174) 4 + 7|2v - 7| = -45$$

**No solution.**

$$1175) 5|-8 + 2a| - 2 = 18$$

$$\{6, 2\}$$

$$1176) -10|8b - 2| + 7 = -53$$

$$\left\{1, -\frac{1}{2}\right\}$$

$$1177) |10x + 7| - 5 = 2$$

$$\left\{0, -\frac{7}{5}\right\}$$

$$1178) |-8x - 6| - 2 = -24$$

No solution.

$$1179) -5|4n - 10| + 10 = 10$$

$$\left\{\frac{5}{2}\right\}$$

$$1180) 10 + 7|3m - 2| = 24$$

$$\left\{\frac{4}{3}, 0\right\}$$

$$1181) 5 + 10|10 - 2x| = 45$$

$$\{3, 7\}$$

$$1182) -4 + 6|-1 - 3n| = -46$$

No solution.

$$1183) 10 + 5|3 + 6a| = 55$$

$$\{1, -2\}$$

$$1184) 10 - 4|-8b + 3| = -74$$

$$\left\{-\frac{9}{4}, 3\right\}$$

$$1185) 3 - 5|1 + 10m| = 98$$

No solution.

$$1186) 5 + 8|-x + 1| = 53$$

$\{-5, 7\}$

$$1187) 2|x + 10| + 4 = 14$$

$\{-5, -15\}$

$$1188) 8 + 8|-2m + 8| = 120$$

$\{-3, 11\}$

$$1189) 5|2k - 6| + 5 = 55$$

$\{8, -2\}$

$$1190) 2 - 3|6 + n| = -4$$

$\{-4, -8\}$

$$1191) 3|-3x + 10| + 4 = 7$$

$\left\{3, \frac{11}{3}\right\}$

$$1192) 6|2n + 5| + 2 = 104$$

$\{6, -11\}$

$$1193) 8 - 3|10m - 4| = -10$$

$$\left\{1, -\frac{1}{5}\right\}$$

$$1194) -3 - 4|1 - 6x| = -79$$

$$\left\{-3, \frac{10}{3}\right\}$$

$$1195) 10|4m - 1| + 8 = 18$$

$$\left\{\frac{1}{2}, 0\right\}$$

$$1196) 9|2x - 3| - 1 = -82$$

No solution.

$$1197) |-2n + 1| + 10 = 1$$

No solution.

$$1198) 1 - 4|2 + 3k| = 77$$

No solution.

$$1199) 9 + 2|n + 10| = 43$$

$$\{7, -27\}$$

$$1200) 9 - |5 - 9n| = -4$$

$$\left\{-\frac{8}{9}, 2\right\}$$



$$1201) 6|2 + 6a| - 6 = 78$$

$$\left\{2, -\frac{8}{3}\right\}$$

$$1202) -7 + |10r - 1| = 64$$

$$\left\{\frac{36}{5}, -7\right\}$$

$$1203) 10 - 4|9n - 7| = -18$$

$$\left\{\frac{14}{9}, 0\right\}$$

$$1204) 2 - 2|10 - 3v| = 0$$

$$\left\{3, \frac{11}{3}\right\}$$

$$1205) 2|9 - 2x| + 9 = 59$$

$$\{-8, 17\}$$

$$1206) -|9n + 2| - 6 = -80$$

$$\left\{8, -\frac{76}{9}\right\}$$

$$1207) 7|7 - 4n| - 3 = 60$$

$$\left\{-\frac{1}{2}, 4\right\}$$

$$1208) |m - 1| + 2 = 6$$

$$\{5, -3\}$$

$$1209) 8|7 - 10k| + 5 = 61$$

$$\left\{0, \frac{7}{5}\right\}$$

$$1210) 4 + 9|-7x - 4| = 40$$

$$\left\{-\frac{8}{7}, 0\right\}$$

$$1211) 3 - |-6 + 6b| = 45$$

No solution.

$$1212) 3 + 6|7n + 1| = 93$$

$$\left\{2, -\frac{16}{7}\right\}$$

$$1213) 10|9x - 9| - 7 = 83$$

$$\{2, 0\}$$

$$1214) -10|b - 10| - 4 = -34$$

$$\{13, 7\}$$

$$1215) 7|6 - 4x| + 3 = 3$$

$$\left\{\frac{3}{2}\right\}$$

$$1216) 2|7 - 5b| + 1 = 17$$

$$\left\{-\frac{1}{5}, 3\right\}$$

$$1217) 5|-9x - 10| - 5 = -10$$

No solution.

$$1218) 5|8 - 2v| + 9 = 59$$

$\{-1, 9\}$

$$1219) 2|2 + p| + 3 = 19$$

$\{6, -10\}$

$$1220) 4|n - 8| - 5 = -1$$

$\{9, 7\}$

$$1221) 8 + 8|2 + 4x| = 56$$

$\{1, -2\}$

$$1222) -4|1 + 7x| + 2 = -78$$

$\left\{\frac{19}{7}, -3\right\}$

$$1223) 2 + 3|2n - 5| = 77$$

$\{15, -10\}$

$$1224) 10 - 5|9b - 1| = 5$$

$\left\{\frac{2}{9}, 0\right\}$

$$1225) 10|-1 - 9p| + 10 = 20$$

$$\left\{-\frac{2}{9}, 0\right\}$$

$$1226) -3 + 6|3m - 10| = 45$$

$$\left\{6, \frac{2}{3}\right\}$$

$$1227) 4|-9b + 7| - 1 = 43$$

$$\left\{-\frac{4}{9}, 2\right\}$$

$$1228) -6 + 6|8m - 3| = 72$$

$$\left\{2, -\frac{5}{4}\right\}$$

$$1229) 6|p + 7| - 3 = 27$$

$$\{-2, -12\}$$

$$1230) -|10x + 10| + 9 = -21$$

$$\{2, -4\}$$

$$1231) -2 - |6x + 9| = -53$$

$$\{7, -10\}$$

$$1232) 3|7x - 9| + 5 = 116$$

$$\left\{\frac{46}{7}, -4\right\}$$

$$1233) 10|7x + 1| + 5 = 15$$

$$\left\{0, -\frac{2}{7}\right\}$$

$$1234) -3|7 - 5k| - 10 = -106$$

$$\left\{-5, \frac{39}{5}\right\}$$

$$1235) 6 + 6|-9 + 5x| = 42$$

$$\left\{3, \frac{3}{5}\right\}$$

$$1236) 4 - 8|7x + 9| = -36$$

$$\left\{-\frac{4}{7}, -2\right\}$$

$$1237) 2|p - 2| - 1 = 15$$

$$\{10, -6\}$$

$$1238) 10 - 8|8p - 5| = -78$$

$$\left\{2, -\frac{3}{4}\right\}$$

$$1239) 9|-4n - 6| - 4 = -22$$

No solution.

$$1240) -9|6 - 6n| - 1 = 53$$

No solution.

$$1241) -10 - 4|a + 8| = -62$$

$$\{5, -21\}$$

$$1242) 10 + 2|5a + 10| = 40$$

$$\{1, -5\}$$

$$1243) -4 - 4|9x - 10| = -108$$

$$\left\{4, -\frac{16}{9}\right\}$$

$$1244) 2|5 + 3b| + 10 = 68$$

$$\left\{8, -\frac{34}{3}\right\}$$

$$1245) 9 - 8|3 - 4r| = 1$$

$$\left\{\frac{1}{2}, 1\right\}$$

$$1246) 4 - 4|7a + 10| = 48$$

No solution.

$$1247) -9|-3x + 4| - 1 = -46$$

$$\left\{-\frac{1}{3}, 3\right\}$$

$$1248) 2 + 3|4b - 2| = -64$$

No solution.

$$1249) 4|2n + 3| + 3 = 23$$

$$\{1, -4\}$$

$$1250) |-5 + r| - 9 = -2$$

$$\{12, -2\}$$

$$1251) -1 - 6|-1 + 3p| = -85$$

$$\left\{5, -\frac{13}{3}\right\}$$

$$1252) 9 - 10|-2m + 2| = -111$$

$$\{-5, 7\}$$

$$1253) -9 - 4|2 + 5x| = -77$$

$$\left\{3, -\frac{19}{5}\right\}$$

$$1254) -10 - 10|10n - 7| = -80$$

$$\left\{\frac{7}{5}, 0\right\}$$

$$1255) 1 + 10|4x + 8| = 41$$

$$\{-1, -3\}$$

$$1256) 5 + 9|4 - 3v| = 41$$

$$\left\{0, \frac{8}{3}\right\}$$

$$1257) 4|-2 - 5k| - 7 = 101$$

$$\left\{-\frac{29}{5}, 5\right\}$$

$$1258) |6x - 3| + 6 = 27$$

$$\{4, -3\}$$

$$1259) -2 + 4|5x + 2| = 110$$

$$\left\{\frac{26}{5}, -6\right\}$$

$$1260) 2|8v + 2| + 6 = -38$$

No solution.

$$1261) -19|8n - 3| - 20 = -77$$

$$\left\{\frac{3}{4}, 0\right\}$$

$$1262) 13 + 8|-6r - 15| = 421$$

$$\{-11, 6\}$$

$$1263) 13|11 + 2k| + 16 = 55$$

$$\{-4, -7\}$$

$$1264) 5|2n - 9| + 4 = 79$$

$$\{12, -3\}$$



$$1265) |18x - 16| - 7 = -7$$

$$\left\{ \frac{8}{9} \right\}$$

$$1266) 18|17k + 15| - 16 = 20$$

$$\left\{ -\frac{13}{17}, -1 \right\}$$

$$1267) 10|-12 - 15x| + 18 = 48$$

$$\left\{ -1, -\frac{3}{5} \right\}$$

$$1268) 4|-7 - 12n| - 9 = 403$$

$$\left\{ -\frac{55}{6}, 8 \right\}$$

$$1269) -13 + 5|19 + 9x| = 397$$

$$\left\{ 7, -\frac{101}{9} \right\}$$

$$1270) 8|8 - 7p| + 12 = 12$$

$$\left\{ \frac{8}{7} \right\}$$

$$1271) 7|-10n - 16| + 3 = 395$$

$$\left\{ -\frac{36}{5}, 4 \right\}$$

$$1272) 11 + 11|-5v - 6| = 165$$

$$\left\{ -4, \frac{8}{5} \right\}$$

$$1273) 2 - 10|18n + 9| = -268$$

$$\{1, -2\}$$

$$1274) 15 - 20|-15x + 5| = 215$$

No solution.

$$1275) 1 + 5|2a + 20| = 1$$

$$\{-10\}$$

$$1276) 9|18 + 11n| + 17 = 278$$

$$\left\{1, -\frac{47}{11}\right\}$$

$$1277) 18|20k + 1| - 2 = 16$$

$$\left\{0, -\frac{1}{10}\right\}$$

$$1278) 2 - 17|11 - 20m| = 155$$

No solution.

$$1279) 16 + 13|16 + 3p| = 432$$

$$\left\{\frac{16}{3}, -16\right\}$$

$$1280) 10|19 - 14v| + 4 = 234$$

$$\left\{-\frac{2}{7}, 3\right\}$$

$$1281) 10|10v + 2| + 17 = 137$$

$$\left\{1, -\frac{7}{5}\right\}$$

$$1282) 9|18 - 9n| - 1 = 404$$

$$\{-3, 7\}$$

$$1283) -17 + 15|12n - 7| = -302$$

No solution.

$$1284) -3 - 2|-x + 15| = -29$$

$$\{2, 28\}$$

$$1285) 17|-13a + 9| + 10 = 299$$

$$\left\{-\frac{8}{13}, 2\right\}$$

$$1286) 2 + 2|15k + 19| = 340$$

$$\left\{10, -\frac{188}{15}\right\}$$

$$1287) -11 - 10|17n + 20| = 129$$

No solution.

$$1288) -9 - 11|4x - 9| = -174$$

$$\left\{6, -\frac{3}{2}\right\}$$

$$1289) 11|3n + 8| + 7 = -169$$

No solution.

$$1290) -7|-15n + 2| + 19 = 110$$

No solution.

$$1291) 17 - 8|15x + 9| = -295$$

$$\left\{2, -\frac{16}{5}\right\}$$

$$1292) 17|13a + 15| + 6 = 193$$

$$\left\{-\frac{4}{13}, -2\right\}$$

$$1293) 7|12n + 18| + 1 = -209$$

No solution.

$$1294) -4|15 + 19n| + 9 = -431$$

$$\left\{5, -\frac{125}{19}\right\}$$

$$1295) 17 + 16|5k + 18| = 305$$

$$\left\{0, -\frac{36}{5}\right\}$$

$$1296) 10|10r - 17| + 2 = 172$$

$$\left\{\frac{17}{5}, 0\right\}$$

$$1297) 18|-13b - 6| - 8 = 352$$

$$\left\{-2, \frac{14}{13}\right\}$$

$$1298) -3|8x - 12| - 2 = -2$$

$$\left\{\frac{3}{2}\right\}$$

$$1299) 9 + 16|8n + 12| = 201$$

$$\{0, -3\}$$

$$1300) 3|12p + 1| - 16 = 347$$

$$\left\{10, -\frac{61}{6}\right\}$$

$$1301) -10 - 11|13 + 6v| = -329$$

$$\left\{\frac{8}{3}, -7\right\}$$

$$1302) 8 + 6|11 - 8r| = 374$$

$$\left\{-\frac{25}{4}, 9\right\}$$

$$1303) 3 + 14|17n - 17| = 241$$

$$\{2, 0\}$$

$$1304) -2|-19x + 7| + 5 = 257$$

No solution.

$$1305) -14|-19 + 2v| - 9 = -275$$

$$\{19, 0\}$$

$$1306) -19|6v - 6| + 7 = -107$$

$$\{2, 0\}$$

$$1307) 5 - 11|10p - 4| = -149$$

$$\left\{\frac{9}{5}, -1\right\}$$

$$1308) 13|-6 - 7x| + 3 = 172$$

$$\left\{-\frac{19}{7}, 1\right\}$$

$$1309) 16|15m - 11| + 5 = -171$$

No solution.

$$1310) |10 - 14v| - 1 = 37$$

$$\left\{-2, \frac{24}{7}\right\}$$

$$1311) 3|n - 20| - 18 = 84$$

$$\{54, -14\}$$

$$1312) 1 - 11|-1 + 9x| = -87$$

$$\left\{1, -\frac{7}{9}\right\}$$

$$1313) -2|4x + 16| - 11 = -115$$

$$\{9, -17\}$$

$$1314) 13 + 17|8n + 14| = 115$$

$$\left\{-1, -\frac{5}{2}\right\}$$

$$1315) 20|-5 - 7x| - 4 = 36$$

$$\left\{-1, -\frac{3}{7}\right\}$$

$$1316) 15|12x + 11| + 10 = 175$$

$$\left\{0, -\frac{11}{6}\right\}$$

$$1317) 1 + 18|3x + 5| = 289$$

$$\left\{\frac{11}{3}, -7\right\}$$

$$1318) -15 - 12|9 - 15p| = -267$$

$$\left\{-\frac{4}{5}, 2\right\}$$

$$1319) |17 + 13n| + 18 = 295$$

$$\left\{20, -\frac{294}{13}\right\}$$

$$1320) 4|-7b - 6| - 12 = 40$$

$$\left\{-\frac{19}{7}, 1\right\}$$

$$1321) 15|8a - 8| - 12 = 348$$

$$\{4, -2\}$$

$$1322) 4 + 18|14x - 13| = -230$$

No solution.

$$1323) 5|8k - 13| + 8 = 343$$

$$\left\{10, -\frac{27}{4}\right\}$$

$$1324) 20 + 3|14 - 20k| = 302$$

$$\left\{-4, \frac{27}{5}\right\}$$

$$1325) 5|15x - 10| + 18 = 218$$

$$\left\{\frac{10}{3}, -2\right\}$$

$$1326) 12 - 16|13v + 5| = -68$$

$$\left\{0, -\frac{10}{13}\right\}$$

$$1327) -6 - 13|13 + 7v| = 189$$

No solution.

$$1328) 5|17k + 4| - 16 = 89$$

$$\left\{1, -\frac{25}{17}\right\}$$



$$1329) 7 - 3|x - 14| = 1$$

$$\{16, 12\}$$

$$1330) 7 + 2|7n - 2| = 179$$

$$\left\{\frac{88}{7}, -12\right\}$$

$$1331) 2|20n - 15| - 17 = 13$$

$$\left\{\frac{3}{2}, 0\right\}$$

$$1332) 5 - 2|4b + 16| = -19$$

$$\{-1, -7\}$$

$$1333) 4|16r + 18| + 17 = 17$$

$$\left\{-\frac{9}{8}\right\}$$

$$1334) 16 - 16|13 + 10b| = -416$$

$$\left\{\frac{7}{5}, -4\right\}$$

$$1335) 5 + 12|11 + 13x| = 5$$

$$\left\{-\frac{11}{13}\right\}$$

$$1336) 5|17x + 15| + 16 = 91$$

$$\left\{0, -\frac{30}{17}\right\}$$

$$1337) 12|-12 + 2n| + 6 = 414$$

$$\{23, -11\}$$

$$1338) -6|1 - 19x| + 6 = -114$$

$$\left\{-1, \frac{21}{19}\right\}$$

$$1339) 13 - 7|3 - 20m| = -386$$

$$\left\{-\frac{27}{10}, 3\right\}$$

$$1340) 2 - 9|18 + 13n| = -160$$

$$\left\{0, -\frac{36}{13}\right\}$$

$$1341) -11|7 - 17b| + 3 = -261$$

$$\left\{-1, \frac{31}{17}\right\}$$

$$1342) 14|-20 + 10x| + 20 = 300$$

$$\{4, 0\}$$

$$1343) 2 - |6 - 3x| = -19$$

$$\{-5, 9\}$$

$$1344) -8|12 + 18x| + 1 = -95$$

$$\left\{0, -\frac{4}{3}\right\}$$

$$1345) 2 + 11|-12x - 13| = 409$$

$$\left\{-\frac{25}{6}, 2\right\}$$

$$1346) -2 + 11|19x - 10| = 306$$

$$\left\{2, -\frac{18}{19}\right\}$$

$$1347) 5 - |-20 - 4n| = 5$$

$$\{-5\}$$

$$1348) 4|19 + 10n| - 7 = 349$$

$$\left\{7, -\frac{54}{5}\right\}$$

$$1349) 14 + 11|-5 - 15r| = 234$$

$$\left\{-\frac{5}{3}, 1\right\}$$

$$1350) 12|-12p - 7| + 16 = 244$$

$$\left\{-\frac{13}{6}, 1\right\}$$

$$1351) 12|-14 - 6n| + 9 = -375$$

No solution.

$$1352) 10 - 13|17 - 17n| = -432$$

$$\{-1, 3\}$$

$$1353) -18|7 + 9x| - 2 = -290$$

$$\left\{1, -\frac{23}{9}\right\}$$

$$1354) 4 + 20|-8r + 1| = 24$$

$$\left\{0, \frac{1}{4}\right\}$$

$$1355) 6|19p + 17| - 17 = 313$$

$$\left\{2, -\frac{72}{19}\right\}$$

$$1356) 16 + 8|-16x + 3| = 424$$

$$\left\{-3, \frac{27}{8}\right\}$$

$$1357) 17 - 8|-17 + 8v| = 25$$

**No solution.**

$$1358) |11v + 7| + 2 = 83$$

$$\left\{\frac{74}{11}, -8\right\}$$

$$1359) -11 - 9|x + 12| = -254$$

$$\{15, -39\}$$

$$1360) 3|19r - 7| - 11 = -11$$

$$\left\{\frac{7}{19}\right\}$$