

## Polynomials - Multiplication of decimals - Monomials & binomials

**Find a product:**

1)  $4.1(4.1x + 1.7)$

2)  $2.9x(4x + 2.8)$

3)  $4.4n(4.1n - 2.4)$

4)  $3.2(4m + 2.2)$

5)  $1.67p(2.6p + 4.86)$

6)  $3.4(3.9x + 2.6)$

7)  $4.95(2.1n - 1.9)$

8)  $3.6(1.649b + 4.105)$

9)  $2.5(1.3r + 3.1)$

10)  $3.9x^2(2.7x + 3.5)$

11)  $2.7n(2.7n - 1.4)$

12)  $4.1(1.2b - 2.1)$

13)  $4.3(1.1x - 1.7)$

14)  $3.2(1.1x - 1.6)$

15)  $2.9(1.59v + 4)$

16)  $4.6(1.1a - 1.4)$

$$17) 2.2p^2(4.3p - 1.9)$$

$$18) 3.4k^2(4.73k + 3.4)$$

$$19) 3.6(3.5x - 0.9)$$

$$20) 2.5(2n + 0.2)$$

$$21) 3.9(3.4m - 0.5)$$

$$22) 2.7(3.4r - 0.4)$$

$$23) 4.1(3.4x - 0.2)$$

$$24) 2.9(1.25n - 4.69)$$

$$25) 4.3b^2(3.534b + 0.46)$$

$$26) 3.2v(4.8v - 4.1)$$

$$27) 2.62(4.9x + 0.8)$$

$$28) 3.4(0.6n - 5)$$

$$29) 2.2(4.54a - 4)$$

$$30) 3.6(0.6k + 2.85)$$

$$31) 2.4(0.6x - 4.5)$$

$$32) 3.9(0.5x - 4.3)$$

$$33) 2.7n^4(1.7n - 3.7)$$

$$34) 3.56m(4m + 4.42)$$

$35) 2.9(3p + 0.6)$

$36) 4.3(4.95x + 2.3)$

$37) 3.1(2.9n + 0.9)$

$38) 4.6(2.9b + 1.1)$

$39) 1.21(4.1r + 2.4)$

$40) 2.2(2.8x + 1.4)$

$41) 4.5(4.4n - 2.173)$

$42) 2.4(2.8a + 1.8)$

$43) 3.8(0.1v + 2)$

$44) 2.7(0.1x + 0.69)$

$45) 4.1(0.1x + 2.3)$

$46) 2.16a(1.3a - 4.3)$

$47) 4.3(2.6k + 3.5)$

$48) 3.1p(0.569p - 1.33)$

$49) 4.5x^3(2.9x - 0.9)$

$50) 2.2(2.4m - 2.4)$

$51) 3.4(5n - 2.5)$

$52) 3.6(2.4r - 2.2)$

$$53) 2.4(0.98x - 0.8)$$

$$54) 3.8(2.3n - 1.8)$$

$$55) 2.7(2.3b - 1.7)$$

$$56) 4.1v(3.9v + 5)$$

$$57) 4.3(2.2n + 3.2)$$

$$58) 2.9x(1.5x + 2.6)$$

$$59) 4.5(4.7k + 3.6)$$

$$60) 3.1(4.7a + 3.4)$$

$$61) 2.16x^2(4.17x + 4.2)$$

$$62) 2.2(4.6x + 3.9)$$

$$63) 3.6n^2(3.3n + 4.2)$$

$$64) 2.4m(4.84m - 3.9)$$

$$65) 3.8(4.5p + 4.5)$$

$$66) 4.83x(4.1x + 2.08)$$

$$67) 4.1(4.5n + 4.8)$$

$$68) 3.1(0.5b - 3.5)$$

$$69) 4.3(3.93r + 1.4)$$

$$70) 3.1(1.8x - 0.4)$$

$$71) 4.5n(0.9n - 3.4)$$

$$72) 3.3a(a - 3)$$

$$73) 0.76(1.2v + 1.9)$$

$$74) 3.6(1.7x + 0.3)$$

$$75) 2.4(1.7x + 0.5)$$

$$76) 3.8(4.1a + 1.48)$$

$$77) 2.6(4.1k + 0.8)$$

$$78) 4p^3(2.16p - 1.7)$$

$$79) 2.9x^2(0.8x - 1.6)$$

$$80) 0.197(4.7n - 1.9)$$

$$81) 3.1(4.66m + 3)$$

$$82) 4.5(4r - 0.88)$$

$$83) 3.3(4x - 3.8)$$

$$84) 2.2(1.3n - 3.7)$$

$$85) 3.6(1.3b - 3.5)$$

$$86) 2.4v(0.5v + 4)$$

$$87) 3.8x(1.95x + 3.1)$$

$$88) 2.6(1.2n - 3)$$

$89) 4(1.2a - 2.8)$

$90) 2.9(1.2k - 2.6)$

$91) 4.3(1.1x + 1.9)$

$92) 3.1(1.1x + 2.1)$

$93) 4.5(4.063n + 4.6)$

$94) 3.3m^3(1.5m - 0.13)$

$95) 3.6(3.5x + 2.8)$

$96) 2.1p^2(4.05p - 4.5)$

$97) 2.4(1.51n - 5)$

$98) 3.8(3.5b + 3.1)$

$99) 2.6(3.4r + 3.3)$

$100) 4.37(2.4x + 0.8)$

$101) -4.9n(-0.1n + 6.4)$

$102) 1.4v^2(-0.2v - 2.9)$

$103) -3.696(5.2a - 0.7)$

$104) 0.7(3.6x - 3.1)$

$105) 7.6(-6.2x - 6)$

$106) -1.6(-5.6n + 2)$

$107) 1.55k(4.2k - 6.4)$

$108) 4.7(-3.5p + 1.3)$

$109) -5.2n^3(4.8n + 1.52)$

$110) -5.9(6.8m - 7.5)$

$111) 4x(-5.7x - 4.2)$

$112) 3.43(1.9r - 1.9)$

$113) 0.3(3.2x - 4.9)$

$114) 6.153(-3.6n + 7.5)$

$115) 6.6(-0.3b + 5.4)$

$116) -2.6v(7.1v + 0.8)$

$117) 4.3x(1.88x - 3.4)$

$118) 3.6n(1.7n - 5.8)$

$119) -5.5(0.2a - 6.3)$

$120) -6.2(6.5k + 6.8)$

$121) 0.7(-3.4p + 3.9)$

$122) -1.1x(x + 6.2)$

$123) 6.9(-6.9n - 1.9)$

$124) -2.9p(-1.6p + 6.8)$

$$125) -3.6x(3.8x - 0.4)$$

$$126) 6.2m^3(6.3m - 4.7)$$

$$127) 3.3(-6.4n - 5.2)$$

$$128) -6.6(6.1r + 5.1)$$

$$129) -5.9(-0.2b - 3.706)$$

$$130) 0.3(-2.97x + 2.4)$$

$$131) -0.3n^3(-1.443n + 1.7)$$

$$132) 6.6a(-4.8a - 4.3)$$

$$133) 5.9v(-1.868v + 6.2)$$

$$134) -1.03x(6.6x + 3.2)$$

$$135) -4(3.1x + 3.6)$$

$$136) 2.9(-6.8n - 6.9)$$

$$137) 2.3(-0.5k + 6.3)$$

$$138) -6.9(5.8p + 3.3)$$

$$139) 1.911x(0.4x - 3.4)$$

$$140) -0.7n^3(1.1n + 0.1)$$

$$141) 0.502(-5m + 1.6)$$

$$142) 5.5(3.34r - 5.5)$$



$$143) -3.6(-3.6x + 4.8)$$

$$144) -4.3(2.7n + 1.9)$$

$$145) 2.6(-7.1b - 1)$$

$$146) -7.3x^3(-7.12x + 7.8)$$

$$147) -5.02(7.8n + 6.6)$$

$$148) -7.04(-2.9v - 2.8)$$

$$149) -a(-3a + 7.1)$$

$$150) -1.7(-8k - 7.2)$$

$$151) 5.2(5.9p + 6)$$

$$152) -4(-3.9x + 1.44)$$

$$153) -0.51(-6.2n - 6.3)$$

$$154) 2.3m(-0.9m - 6.27)$$

$$155) 1.6p^2(-5.7p + 6.2)$$

$$156) -7.6x^3(-4x + 5.77)$$

$$157) 7.8(-4.7n + 4.5)$$

$$158) -1.4(1.5b - 6)$$

$$159) -2.1(-1.122r + 5.9)$$

$$160) 4.9(5.6x + 0.377)$$

$$161) 4.2n(4.4n - 0.8)$$

$$162) -5a(-4.67a - 6.3)$$

$$163) 1.9v^3(-7.5v - 2)$$

$$164) -8(4.7x - 1.73)$$

$$165) 1.2x^2(-7.5x + 6.241)$$

$$166) -1.7(1.2k - 0.2)$$

$$167) 7.5(3.898n - 5.2)$$

$$168) -2.4(-p - 3.1)$$

$$169) 4.5x(6.4x + 4.7)$$

$$170) 3.8n(-4.3n - 6.92)$$

$$171) -5.4m^2(-3.4m + 5.206)$$

$$172) -6r^2(-6.3r - 3.3)$$

$$173) 0.863(3.2x + 7.4)$$

$$174) 7.8(4.4n + 4)$$

$$175) 2.51(-2.2b + 0.7)$$

$$176) -2.1v^3(-6.4v - 1.1)$$

$$177) -2.8x(-7.6x - 6)$$

$$178) 4.2n(-2.3n + 3)$$

$$179) 3.5a^3(3.5a + 2.9)$$

$$180) -1.5k^3(-2.7k - 7.9)$$

$$181) -6.4(7.6p - 8)$$

$$182) -0.2(4.1n + 2.2)$$

$$183) 0.5(4.928x + 5.7)$$

$$184) -5.289(-5.6r - 0.5)$$

$$185) 6.8m^2(3.439m - 2.188)$$

$$186) -3.1x(-0.2x - 7.6)$$

$$187) 5.03(5.1n - 5.01)$$

$$188) 3.1(-5.3b + 3.7)$$

$$189) -6(r + 0.7)$$

$$190) -6.7(7.3x - 2.2)$$

$$191) 0.2n(-5.7n - 3.3)$$

$$192) -0.5a^2(4.44a + 3.8)$$

$$193) 6.4v(5v + 5)$$

$$194) 5.7x(1.9x - 2.2)$$

$$195) -3.4(-2.1x + 7.8)$$

$$196) 3.5(4.2n + 4.8)$$

$$197) 2.8(-5.6k + 1.9)$$

$$198) -6.4(0.6p + 5.226)$$

$$199) -7.1x(-3.6x + 1)$$

$$200) -4.787n^4(-1.8n + 3.3)$$

$$201) (3.9r + 0.3)(8.9r + 9)$$

$$202) (9.6m - 6.1)(6.82m + 6.6)$$

$$203) (2.6x + 6.7)(7.1x - 7.353)$$

$$204) (3.9v - 0.2)(4.8v + 9)$$

$$205) (5.7b - 1.2)(9b - 3.2)$$

$$206) (7n - 7.6)(5.2n - 5.7)$$

$$207) (3.815x - 6.7)(0.2x + 8.78)$$

$$208) (7.6a + 3.6)(1.6a + 7.6)$$

$$209) (3.2n - 2.8)(3.5n + 5.2)$$

$$210) (0.6p - 4.3)(7.18p - 9.9)$$

$$211) (6.3k + 10)(9.9k - 9.5)$$

$$212) (3.8n + 8.4)(4.3n - 1.6)$$

$$213) (9.4x + 2.1)(6.2x - 4.1)$$

$$214) (3.92m + 7.9)(5.9m - 4.7)$$

$$215) (5.6x + 6.9)(4.4x + 6.7)$$

$$216) (6.9r + 0.5)(6.3r + 3.8)$$

$$217) (4.3b - 1)(0.7b - 7.9)$$

$$218) (6.48r + 1)(6.7r - 2.9)$$

$$219) (7.5x - 8.9)(7.1x - 2.5)$$

$$220) (10n - 7.3)(2.6n - 7.889)$$

$$221) (0.255n + 2.4)(7.1n - 6.4)$$

$$222) (0.5a + 3.8)(3.4a + 2.9)$$

$$223) (9.3v + 9.7)(1.6v + 5.3)$$

$$224) (3.7x - 4)(9.8x - 4.01)$$

$$225) (2.4x + 2.3)(7.9x - 9.3)$$

$$226) (6.8n + 8.7)(1.7n - 6.9)$$

$$227) (5.5k - 5.6)(8.55k + 3.6)$$

$$228) (9.9p + 0.8)(8.1p - 1.5)$$

$$229) (3n - 7.1)(4.4n - 5.2)$$

$$230) (4.2x + 7.1)(6.2x + 1.5)$$

$$231) (7.4m - 0.7)(4.17m - 2.9)$$

$$232) (6.1r + 5.6)(0.7r + 9.4)$$

$$233) (3.5b + 4.1)(5.2b - 2.3)$$

$$234) (0.4x - 8.6)(8.9x - 7.8)$$

$$235) (9.2n - 2.3)(7.1n - 3.48)$$

$$236) (6.7x - 3.8)(3.46x + 7.2)$$

$$237) (5.4n + 2.6)(5.3n + 5.5)$$

$$238) (2.3v + 9.9)(9v + 0.1)$$

$$239) (9.8a + 8.4)(3.5a + 8.5)$$

$$240) (4.1k - 5.3)(1.6k - 4.66)$$

$$241) (7.48p - 4.2)(9.2p + 0.6)$$

$$242) (7.3x + 6.9)(8x - 3.7)$$

$$243) (6n - 6.8)(6.2n - 0.8)$$

$$244) (9.1r + 5.9)(2.5r + 4.6)$$

$$245) (0.3m - 0.5)(4.3m + 1.7)$$

$$246) (0.02x + 9)(5.8x + 0.3)$$

$$247) (3.46b - 0.27)(b - 9.2)$$

$$248) (2.1n - 2)(4.4n - 10)$$

$$249) (5.3v - 9.9)(0.7v - 4.6)$$

$$250) (4n + 2.8)(7.1n + 0.8)$$

$$251) (2.7a + 8.7)(5.3a + 3.3)$$

$$252) (9.7x - 3.5)(9x - 1.4)$$

$$253) (6.01v + 3.5)(5.6v + 0.7)$$

$$254) (9n - 6.6)(7.9n - 6)$$

$$255) (5.9x + 1.3)(1.6x + 8.7)$$

$$256) (0.2x + 7.1)(9.8x - 8.5)$$

$$257) (3.3k - 0.2)(1.7k + 8.332)$$

$$258) (2p + 5.6)(9.9p - 0.6)$$

$$259) (9.6m + 4.1)(4.4m + 7.8)$$

$$260) (6.5x - 8.1)(8.1x + 2.4)$$

$$261) (2n - 0.444)(2.6n - 5.8)$$

$$262) (3.9r - 9.7)(2.5r - 9.8)$$

$$263) (7n + 3.1)(8.9n - 4.4)$$

$$264) (5.8b + 8.9)(7.1b - 1.5)$$

$$265) (2.6x - 3.3)(0.7x - 6.9)$$

$$266) (0.1v - 4.8)(5.2v + 1)$$

$$267) (8.9x + 1.5)(3.3x - 6.23)$$

$$268) (1.9a - 6.4)(5.3a + 9.4)$$

$$269) (3.2n + 7.4)(7.2n + 6.4)$$

$$270) (6.3k + 4.7)(7.2k + 2.5)$$

$$271) (9.5x - 7.9)(9.9x - 2.9)$$

$$272) (2.5m + 4.3)(6.2m + 2.6)$$

$$273) (3.8n - 1.5)(8n - 7.42)$$

$$274) (6.9r - 9.4)(4.3r + 5.5)$$

$$275) (5.6x - 3.1)(3.515x - 7.1)$$

$$276) (7.1n - 0.8)(8.4n + 1.2)$$

$$277) (5.1p + 5.9)(1.6p - 5.3)$$

$$278) (3.1v - 4.6)(2.6v - 3.7)$$

$$279) (0.966x - 8.7)(8.9x + 6)$$

$$280) (8.8b + 9.2)(4.4b - 6.7)$$

$$281) (3a - 7.2)(1.69a - 9.1)$$

$$282) (6.2n + 7.6)(9n + 1.7)$$

$$283) (3.7x + 6.1)(3.4x + 9.5)$$

$$284) (6.8n - 1.3)(9.95n - 1.036)$$

$$285) (9.4v + 0.2)(5.3v - 7.678)$$

$$286) (2.4x - 7.6)(1.6x - 7.6)$$



$$287) (9.9p - 9.2)(6.1p + 0.3)$$

$$288) (8.7x - 2.8)(9.9x + 3.2)$$

$$289) (5.569k + 5.9)(4.4k - 1.184)$$

$$290) (3n + 3.1)(2.97n - 6.41)$$

$$291) (1.7m + 9.4)(6.2m + 8.7)$$

$$292) (4.8x + 1.5)(2.5x - 6.35)$$

$$293) (4.815r - 0.5)(9.7r + 6.5)$$

$$294) (1.53n + 0.5)(2.1n - 5.7)$$

$$295) (3.6b - 5.9)(8.9b - 0.6)$$

$$296) (5.4x - 7.4)(3.3x + 7.3)$$

$$297) (2.3v + 1.9)(0.3v - 0.5)$$

$$298) (6.7x + 6.4)(5.2x + 4.8)$$

$$299) (9.8a - 1)(1.5a - 9.9)$$

$$300) (8.6k + 4.8)(8.797k - 7.1)$$

$$301) (10.2n + 1.9)(9.9n + 9.2)$$

$$302) (0.2x + 5.9)(1.1x - 3.2)$$

$$303) (4.6p + 10.8)(4.5p + 7.8)$$

$$304) (3.7r - 7.8)(3.2r + 10.6)$$

$$305) (1.7x - 11.8)(11.82x + 6)$$

$$306) (5.8m - 2.9)(6.5m - 1.8)$$

$$307) (7.3b + 2.6)(5.2b + 1.1)$$

$$308) (5.12n + 3.3)(2n - 6.3)$$

$$309) (0.8x - 6.3)(0.8x - 2.43)$$

$$310) (2.9v - 1.5)(1.8v - 10.7)$$

$$311) (8.5n - 11.1)(9.5n - 9.3)$$

$$312) (6.5a + 8.9)(6.2a + 3.9)$$

$$313) (2.1k + 4.1)(2.8k - 7.8)$$

$$314) (9.92x + 5.4)(11.259x - 12)$$

$$315) (5.6n - 9.7)(10.75n + 1.8)$$

$$316) (3.5k + 9.6)(1.5k - 5)$$

$$317) (7.7x - 4.8)(8.2x - 6.4)$$

$$318) (7.06x - 6.6)(8.1x - 11.8)$$

$$319) (2.522m - 7.93)(10.1m + 5)$$

$$320) (4.8n - 4.1)(3.5n - 9.9)$$

$$321) (11.3p + 4.8)(10.2p + 8.2)$$

$$322) (10.4r + 11.1)(11.2r + 11)$$

$$323) (8.3x + 6.2)(7.9x - 0.7)$$

$$324) (1.9b - 2.6)(1.2b + 0.7)$$

$$325) (4n + 1.4)(4.5n - 11.7)$$

$$326) (5.4x + 7.7)(3.2x - 8.9)$$

$$327) (1.1a + 2.9)(5.92a + 9)$$

$$328) (7.5x + 11.8)(6.5x + 2.1)$$

$$329) (1.64v - 4.5)(1.6v + 2.39)$$

$$330) (11.1k - 2)(8.6k - 7.4)$$

$$331) (6.7p - 6)(7.5p + 4.9)$$

$$332) (4.6x - 10.8)(4.2x - 6)$$

$$333) (10.2m + 3.6)(9.6m - 4.6)$$

$$334) (3.8x - 5.3)(2.9x - 3.2)$$

$$335) (0.2n + 8.4)(0.8n + 6.3)$$

$$336) (5.9r - 0.5)(10.43r + 5.8)$$

$$337) (11.5n - 10.1)(11.6n + 9.2)$$

$$338) (7.3v + 5.1)(4.84v + 4.8)$$

$$339) (9.4b + 9.9)(8.2b - 1.8)$$

$$340) (2.9x + 0.2)(1.5x - 0.3)$$

$$341) (0.9n - 3.8)(10.3n + 12)$$

$$342) (2.1x + 6.6)(2.5x + 2.5)$$

$$343) (8.6a - 8.7)(9.2a + 1.1)$$

$$344) (4x - 0.029)(1.7x - 3.01)$$

$$345) (6.5k + 10.6)(5.9k + 6.82)$$

$$346) (7.7n - 3.1)(7.9n + 3.9)$$

$$347) (11.3x + 7.2)(3.76x + 0.6)$$

$$348) (5.7k - 7.2)(4.6k - 7.47)$$

$$349) (9.2n + 3.2)(6.6n + 6.7)$$

$$350) (4.8m - 1.6)(3.2m - 5)$$

$$351) (2.7r - 6.5)(2.2r + 8.2)$$

$$352) (8.6x - 3.9)(6.7x - 1.2)$$

$$353) (8.4n + 8.7)(7.6n + 9.6)$$

$$354) (4.65p + 8.1)(6.3p - 6.13)$$

$$355) (1.9v - 1)(0.9v + 11)$$

$$356) (2.64b + 10.2)(2.1b - 1.7)$$

$$357) (7.5x - 9.8)(6.2x - 11.7)$$

$$358) (3.2a + 9.4)(8.694a - 3.6)$$

$$359) (3.18k - 1.8)(5.127k + 6.6)$$

$$360) (11.1p + 0.5)(8.3p + 2.9)$$

$$361) (6.7x - 4.3)(4.9x - 8.8)$$

$$362) (9.6x - 5)(9.6x + 0.1)$$

$$363) (5.9x + 2)(5.9x - 6)$$

$$364) (10.3r + 6.1)(3.131r - 5.9)$$

$$365) (0.3m + 10.9)(0.5m - 7.4)$$

$$366) (4.6n - 8.4)(3.9n - 8.12)$$

$$367) (5.1x + 7.5)(4.6x + 9.25)$$

$$368) (1.17n - 0.5)(8.1n - 7.2)$$

$$369) (11.5b + 1.99)(5.8b + 4.6)$$

$$370) (9.4v - 11.7)(7.9v + 8.6)$$

$$371) (3n + 2.7)(1.2n + 10)$$

$$372) (8.6k - 6.2)(8.9k + 11.4)$$

$$373) (0.9a - 2.1)(10a - 1.8)$$

$$374) (6.5x - 11)(5.6x - 0.3)$$

$$375) (2.1x + 8.2)(6.12x - 10.1)$$

$$376) (0.1n - 11.956)(9.1n + 1.7)$$

$$377) (5.7p - 5.5)(9.845p + 0.4)$$

$$378) (1.3x - 9.5)(0.9x - 8.4)$$

$$379) (7.8m - 0.7)(7.6m - 9.9)$$

$$380) (1.232n - 3.4)(11.9n - 0.1)$$

$$381) (4.9r + 0.8)(2.9r + 5.3)$$

$$382) (6.9m + 4.9)(6.3m - 7)$$

$$383) (2.8x - 0.79)(2.6x + 10.4)$$

$$384) (8.4b + 11.2)(7.3b - 4.2)$$

$$385) (4v + 6.4)(3.9v + 8.6)$$

$$386) (10.13x - 1.3)(5.4x + 8.21)$$

$$387) (10.5n - 8.8)(10.6n + 6.8)$$

$$388) (3.2k + 11.9)(2.6k - 5.69)$$

$$389) (7.6a - 7.4)(5.9a - 1.4)$$

$$390) (10.67x + 10)(5.9x - 4.8)$$

$$391) (9.7x - 3.3)(1.3x - 3.7)$$

$$392) (1.1p + 9.67)(8.2p + 7.5)$$

$$393) (6.7n - 1.8)(4.6n + 1.5)$$

$$394) (0.3r - 10.7)(0.2r + 2.9)$$

$$395) (5.9n + 3.7)(5.6n + 4.3)$$

$$396) (10.3x + 8.5)(9x + 1.13)$$

$$397) (4.72m - 11.359)(4.9m + 9.8)$$

$$398) (3.8b + 4.88)(3.59b - 1.2)$$

$$399) (8.66v - 12)(11.5v + 3.9)$$

$$400) (9.5x - 10)(7.6x - 6)$$

$$401) (14.2a + 7.3)(7.7a - 16.9)$$

$$402) (-13.724n + 2.428)(16.2n + 12.6)$$

$$403) (-3.9k - 3.9)(-1.8k + 1.6)$$

$$404) (-10.6x - 3.6)(-19.68x + 19.1)$$

$$405) (-17.2x - 14.7)(-9.5x - 13)$$

$$406) (4.8n - 0.458)(-7.9n - 8.784)$$

$$407) (-1.9m + 3.1)(11.5m + 12.5)$$

$$408) (-20p + 3.3)(-16.74p + 6)$$

$$409) (13.4x - 7.8)(-7.7x - 2.1)$$

$$410) (-4.7n - 19)(-17.2n + 5)$$

$$411) (10.7r + 10.3)(3.8r - 9.6)$$

$$412) (4x - 0.9)(-5.8x - 4.96)$$

$$413) (-11.3b - 18.7)(13.3b - 16.7)$$

$$414) (-14.1n + 1.84)(16.2n - 5)$$

$$415) (12.6v + 17.2)(17.1v + 1.3)$$

$$416) (-5.4x + 17.4)(7.5x + 19.8)$$

$$417) (9.9a - 4.8)(-11.6a - 14.615)$$

$$418) (-12.1x + 6.3)(-2x - 13.2)$$

$$419) (19.3b - 11.8)(-13.5b - 5.7)$$

$$420) (3.2k - 4.6)(18.9k + 12.3)$$

$$421) (-12.17p - 12.5)(0.8p - 0.7)$$

$$422) (0.5n + 2.1)(-9.7n - 6.439)$$

$$423) (18.5x - 3.166)(-11.3x - 14)$$

$$424) (15.8r - 8.8)(11.3r + 1.6)$$

$$425) (0.31x - 14)(-19.3x + 1.6)$$

$$426) (-6.2m + 2.3)(-13.737m - 14.48)$$

$$427) (2.4n - 19.7)(3.6n - 13)$$

$$428) (-19.375b - 19.3)(-14.6b + 15.1)$$

$$429) (17.8v + 15.51)(13.4v + 1.8)$$

$$430) (-0.3x - 1.6)(15x + 19.6)$$



$$431) (-7n - 12.7)(5.4n - 2.1)$$

$$432) (15a + 16.2)(-4.1a + 5)$$

$$433) (6.33k + 19.3)(5.4k + 17.3)$$

$$434) (-9.7x + 5.3)(-2.44x + 4)$$

$$435) (-16.4x - 5.8)(7.3x + 8.9)$$

$$436) (-7.8p + 12.3)(-9.9p + 1.3)$$

$$437) (5.6n + 2.71)(8.19n + 16.3)$$

$$438) (14.2x + 12.5)(-19.5x - 5.07)$$

$$439) (-1.1m - 9.801)(-2.6m - 7.2)$$

$$440) (-10.5b - 9.8)(1.5b + 5.2)$$

$$441) (4.8x + 19.4)(-3.819x - 18.2)$$

$$442) (7.241n + 12.5)(-10n - 7)$$

$$443) (-20b - 11.57)(10.1b - 14.552)$$

$$444) (-1.9n - 10.83)(18.4n + 18.3)$$

$$445) (13.5v - 2.6)(-6.2v + 12.28)$$

$$446) (-17.2r + 19.2)(-8.1r + 12.3)$$

$$447) (-4.6x - 13.7)(-15.29x - 2.6)$$

$$448) (-11.3x + 15.2)(-13.9x + 8.6)$$

$$449) (-18a + 15.5)(16.7a - 4.53)$$

$$450) (4k + 4.3)(7.1k - 6)$$

$$451) (-2.7p + 12.405)(6.7p - 15.8)$$

$$452) (19.4x + 15.64)(-5.3x - 0.4)$$

$$453) (-16.19n + 7.3)(-17.3n - 13.7)$$

$$454) (-5.4m + 11.3)(9m + 5)$$

$$455) (17.37r - 9.4)(-1.3r - 0.2)$$

$$456) (9.9x + 0.4)(-10.1x - 12.717)$$

$$457) (3.2n - 10.8)(19.66n + 13.3)$$

$$458) (-14.8b - 10.5)(-17.8b + 15.9)$$

$$459) (18.6v + 10.44)(-9.3v + 15.4)$$

$$460) (-3.013x + 0.5)(7.4x + 12.29)$$

$$461) (-6.2n - 3.8)(-6.4n + 19.8)$$

$$462) (12.346a + 16.76)(11.63a - 18.8)$$

$$463) (2.5x + 14.2)(5x + 12.3)$$

$$464) (-15.6x + 14.5)(-4.5x - 9.4)$$

$$465) (9.1k - 14.7)(3.171k - 17.215)$$

$$466) (17.8n + 5.77)(15.4n - 9)$$

$$467) (-4.14m + 11.242)(16.2m - 1.722)$$

$$468) (-7p - 11.44)(9.01p - 15.9)$$

$$469) (15.1x - 18.7)(8.8x + 1.6)$$

$$470) (-16.4r - 0.6)(-19.9r + 12.17)$$

$$471) (-9.7b + 10.5)(-10.4b - 13)$$

$$472) (8.4n + 10.3)(-0.8n + 8.6)$$

$$473) (1.88n - 17.44)(19.6n + 5.82)$$

$$474) (17x - 11.7)(6.6x + 6.8)$$

$$475) (-7.7a - 16.64)(16.1a + 8.9)$$

$$476) (14.3v + 6.3)(-18v + 13.91)$$

$$477) (7.6x - 4.8)(12.5x - 16.7)$$

$$478) (-10.5x - 4.5)(3x - 9.6)$$

$$479) (-1.8p + 11.31)(-16p - 2.2)$$

$$480) (4.8k + 13.3)(-4.7k + 15.9)$$

$$481) (-17.2a - 15.7)(4.8a + 8.9)$$

$$482) (-19.9x + 3.062)(-13.14x + 6.2)$$

$$483) (6.8m - 8.5)(-2.9m - 1.8)$$

$$484) (-11.3r - 19.6)(-12.4r + 5.2)$$

$$485) (-18x + 9.3)(18.1x - 16.4)$$

$$486) (13.5n + 6.989)(-11.3n + 11.3)$$

$$487) (-2.6b - 1.6)(-b + 9.1)$$

$$488) (-8.663n + 10.3)(-19.3n - 13.2)$$

$$489) (-5.4n + 5.634)(12.7n + 2.4)$$

$$490) (12.7x + 1.708)(-15.3x + 15.7)$$

$$491) (-12.1a + 5.4)(12.3a + 20)$$

$$492) (19.4v - 2.23)(-3.3v + 0.3)$$

$$493) (-4.06x + 3.6)(5.4x + 2.5)$$

$$494) (-3.4x - 16.7)(-16.4x + 12.5)$$

$$495) (10k + 5.6)(2.7k - 8.22)$$

$$496) (11.9m - 15.77)(9.4m - 8.7)$$

$$497) (18.6n - 15.03)(-18.287n - 0.4)$$

$$498) (-6.2p - 16.52)(-2.7p + 18.1)$$

$$499) (-14.815x + 2)(-14.7x + 4.8)$$

$$500) (9.2n - 9.5)(-12.6n + 1.8)$$

## Polynomials - Multiplication of decimals - Monomials and binomials

**Find a product:**

1)  $4.1(4.1x + 1.7)$

$16.81x + 6.97$

2)  $2.9x(4x + 2.8)$

$11.6x^2 + 8.12x$

3)  $4.4n(4.1n - 2.4)$

$18.04n^2 - 10.56n$

4)  $3.2(4m + 2.2)$

$12.8m + 7.04$

5)  $1.67p(2.6p + 4.86)$

$4.342p^2 + 8.1162p$

6)  $3.4(3.9x + 2.6)$

$13.26x + 8.84$

7)  $4.95(2.1n - 1.9)$

$10.395n - 9.405$

8)  $3.6(1.649b + 4.105)$

$5.9364b + 14.778$

9)  $2.5(1.3r + 3.1)$

$3.25r + 7.75$

10)  $3.9x^2(2.7x + 3.5)$

$10.53x^3 + 13.65x^2$

11)  $2.7n(2.7n - 1.4)$

$7.29n^2 - 3.78n$

12)  $4.1(1.2b - 2.1)$

$4.92b - 8.61$

13)  $4.3(1.1x - 1.7)$

$4.73x - 7.31$

14)  $3.2(1.1x - 1.6)$

$3.52x - 5.12$

15)  $2.9(1.59v + 4)$

$4.611v + 11.6$

16)  $4.6(1.1a - 1.4)$

$5.06a - 6.44$

$$17) 2.2p^2(4.3p - 1.9)$$

$$9.46p^3 - 4.18p^2$$

$$18) 3.4k^2(4.73k + 3.4)$$

$$16.082k^3 + 11.56k^2$$

$$19) 3.6(3.5x - 0.9)$$

$$12.6x - 3.24$$

$$20) 2.5(2n + 0.2)$$

$$5n + 0.5$$

$$21) 3.9(3.4m - 0.5)$$

$$13.26m - 1.95$$

$$22) 2.7(3.4r - 0.4)$$

$$9.18r - 1.08$$

$$23) 4.1(3.4x - 0.2)$$

$$13.94x - 0.82$$

$$24) 2.9(1.25n - 4.69)$$

$$3.625n - 13.601$$

$$25) 4.3b^2(3.534b + 0.46)$$

$$15.1962b^3 + 1.978b^2$$

$$26) 3.2v(4.8v - 4.1)$$

$$15.36v^2 - 13.12v$$

$$27) 2.62(4.9x + 0.8)$$

$$12.838x + 2.096$$

$$28) 3.4(0.6n - 5)$$

$$2.04n - 17$$

$$29) 2.2(4.54a - 4)$$

$$9.988a - 8.8$$

$$30) 3.6(0.6k + 2.85)$$

$$2.16k + 10.26$$

$$31) 2.4(0.6x - 4.5)$$

$$1.44x - 10.8$$

$$32) 3.9(0.5x - 4.3)$$

$$1.95x - 16.77$$

$$33) 2.7n^4(1.7n - 3.7)$$

$$4.59n^5 - 9.99n^4$$

$$34) 3.56m(4m + 4.42)$$

$$14.24m^2 + 15.7352m$$

$35) 2.9(3p + 0.6)$

$8.7p + 1.74$

$36) 4.3(4.95x + 2.3)$

$21.285x + 9.89$

$37) 3.1(2.9n + 0.9)$

$8.99n + 2.79$

$38) 4.6(2.9b + 1.1)$

$13.34b + 5.06$

$39) 1.21(4.1r + 2.4)$

$4.961r + 2.904$

$40) 2.2(2.8x + 1.4)$

$6.16x + 3.08$

$41) 4.5(4.4n - 2.173)$

$19.8n - 9.7785$

$42) 2.4(2.8a + 1.8)$

$6.72a + 4.32$

$43) 3.8(0.1v + 2)$

$0.38v + 7.6$

$44) 2.7(0.1x + 0.69)$

$0.27x + 1.863$

$45) 4.1(0.1x + 2.3)$

$0.41x + 9.43$

$46) 2.16a(1.3a - 4.3)$

$2.808a^2 - 9.288a$

$47) 4.3(2.6k + 3.5)$

$11.18k + 15.05$

$48) 3.1p(0.569p - 1.33)$

$1.7639p^2 - 4.123p$

$49) 4.5x^3(2.9x - 0.9)$

$13.05x^4 - 4.05x^3$

$50) 2.2(2.4m - 2.4)$

$5.28m - 5.28$

$51) 3.4(5n - 2.5)$

$17n - 8.5$

$52) 3.6(2.4r - 2.2)$

$8.64r - 7.92$

$$53) 2.4(0.98x - 0.8)$$
$$2.352x - 1.92$$

$$54) 3.8(2.3n - 1.8)$$
$$8.74n - 6.84$$

$$55) 2.7(2.3b - 1.7)$$
$$6.21b - 4.59$$

$$56) 4.1v(3.9v + 5)$$
$$15.99v^2 + 20.5v$$

$$57) 4.3(2.2n + 3.2)$$
$$9.46n + 13.76$$

$$58) 2.9x(1.5x + 2.6)$$
$$4.35x^2 + 7.54x$$

$$59) 4.5(4.7k + 3.6)$$
$$21.15k + 16.2$$

$$60) 3.1(4.7a + 3.4)$$
$$14.57a + 10.54$$

$$61) 2.16x^2(4.17x + 4.2)$$
$$9.0072x^3 + 9.072x^2$$

$$62) 2.2(4.6x + 3.9)$$
$$10.12x + 8.58$$

$$63) 3.6n^2(3.3n + 4.2)$$
$$11.88n^3 + 15.12n^2$$

$$64) 2.4m(4.84m - 3.9)$$
$$11.616m^2 - 9.36m$$

$$65) 3.8(4.5p + 4.5)$$
$$17.1p + 17.1$$

$$66) 4.83x(4.1x + 2.08)$$
$$19.803x^2 + 10.0464x$$

$$67) 4.1(4.5n + 4.8)$$
$$18.45n + 19.68$$

$$68) 3.1(0.5b - 3.5)$$
$$1.55b - 10.85$$

$$69) 4.3(3.93r + 1.4)$$
$$16.899r + 6.02$$

$$70) 3.1(1.8x - 0.4)$$
$$5.58x - 1.24$$



$$71) 4.5n(0.9n - 3.4)$$
$$4.05n^2 - 15.3n$$

$$72) 3.3a(a - 3)$$
$$3.3a^2 - 9.9a$$

$$73) 0.76(1.2v + 1.9)$$
$$0.912v + 1.444$$

$$74) 3.6(1.7x + 0.3)$$
$$6.12x + 1.08$$

$$75) 2.4(1.7x + 0.5)$$
$$4.08x + 1.2$$

$$76) 3.8(4.1a + 1.48)$$
$$15.58a + 5.624$$

$$77) 2.6(4.1k + 0.8)$$
$$10.66k + 2.08$$

$$78) 4p^3(2.16p - 1.7)$$
$$8.64p^4 - 6.8p^3$$

$$79) 2.9x^2(0.8x - 1.6)$$
$$2.32x^3 - 4.64x^2$$

$$80) 0.197(4.7n - 1.9)$$
$$0.9259n - 0.3743$$

$$81) 3.1(4.66m + 3)$$
$$14.446m + 9.3$$

$$82) 4.5(4r - 0.88)$$
$$18r - 3.96$$

$$83) 3.3(4x - 3.8)$$
$$13.2x - 12.54$$

$$84) 2.2(1.3n - 3.7)$$
$$2.86n - 8.14$$

$$85) 3.6(1.3b - 3.5)$$
$$4.68b - 12.6$$

$$86) 2.4v(0.5v + 4)$$
$$1.2v^2 + 9.6v$$

$$87) 3.8x(1.95x + 3.1)$$
$$7.41x^2 + 11.78x$$

$$88) 2.6(1.2n - 3)$$
$$3.12n - 7.8$$

$$89) 4(1.2a - 2.8)$$

$$4.8a - 11.2$$

$$90) 2.9(1.2k - 2.6)$$

$$3.48k - 7.54$$

$$91) 4.3(1.1x + 1.9)$$

$$4.73x + 8.17$$

$$92) 3.1(1.1x + 2.1)$$

$$3.41x + 6.51$$

$$93) 4.5(4.063n + 4.6)$$

$$18.2835n + 20.7$$

$$94) 3.3m^3(1.5m - 0.13)$$

$$4.95m^4 - 0.429m^3$$

$$95) 3.6(3.5x + 2.8)$$

$$12.6x + 10.08$$

$$96) 2.1p^2(4.05p - 4.5)$$

$$8.505p^3 - 9.45p^2$$

$$97) 2.4(1.51n - 5)$$

$$3.624n - 12$$

$$98) 3.8(3.5b + 3.1)$$

$$13.3b + 11.78$$

$$99) 2.6(3.4r + 3.3)$$

$$8.84r + 8.58$$

$$100) 4.37(2.4x + 0.8)$$

$$10.488x + 3.496$$

$$101) -4.9n(-0.1n + 6.4)$$

$$0.49n^2 - 31.36n$$

$$102) 1.4v^2(-0.2v - 2.9)$$

$$-0.28v^3 - 4.06v^2$$

$$103) -3.696(5.2a - 0.7)$$

$$-19.2192a + 2.5872$$

$$104) 0.7(3.6x - 3.1)$$

$$2.52x - 2.17$$

$$105) 7.6(-6.2x - 6)$$

$$-47.12x - 45.6$$

$$106) -1.6(-5.6n + 2)$$

$$8.96n - 3.2$$

$$107) 1.55k(4.2k - 6.4)$$
$$6.51k^2 - 9.92k$$

$$108) 4.7(-3.5p + 1.3)$$
$$-16.45p + 6.11$$

$$109) -5.2n^3(4.8n + 1.52)$$
$$-24.96n^4 - 7.904n^3$$

$$110) -5.9(6.8m - 7.5)$$
$$-40.12m + 44.25$$

$$111) 4x(-5.7x - 4.2)$$
$$-22.8x^2 - 16.8x$$

$$112) 3.43(1.9r - 1.9)$$
$$6.517r - 6.517$$

$$113) 0.3(3.2x - 4.9)$$
$$0.96x - 1.47$$

$$114) 6.153(-3.6n + 7.5)$$
$$-22.1508n + 46.1475$$

$$115) 6.6(-0.3b + 5.4)$$
$$-1.98b + 35.64$$

$$116) -2.6v(7.1v + 0.8)$$
$$-18.46v^2 - 2.08v$$

$$117) 4.3x(1.88x - 3.4)$$
$$8.084x^2 - 14.62x$$

$$118) 3.6n(1.7n - 5.8)$$
$$6.12n^2 - 20.88n$$

$$119) -5.5(0.2a - 6.3)$$
$$-1.1a + 34.65$$

$$120) -6.2(6.5k + 6.8)$$
$$-40.3k - 42.16$$

$$121) 0.7(-3.4p + 3.9)$$
$$-2.38p + 2.73$$

$$122) -1.1x(x + 6.2)$$
$$-1.1x^2 - 6.82x$$

$$123) 6.9(-6.9n - 1.9)$$
$$-47.61n - 13.11$$

$$124) -2.9p(-1.6p + 6.8)$$
$$4.64p^2 - 19.72p$$

$$125) -3.6x(3.8x - 0.4) \\ -13.68x^2 + 1.44x$$

$$126) 6.2m^3(6.3m - 4.7) \\ 39.06m^4 - 29.14m^3$$

$$127) 3.3(-6.4n - 5.2) \\ -21.12n - 17.16$$

$$128) -6.6(6.1r + 5.1) \\ -40.26r - 33.66$$

$$129) -5.9(-0.2b - 3.706) \\ 1.18b + 21.8654$$

$$130) 0.3(-2.97x + 2.4) \\ -0.891x + 0.72$$

$$131) -0.3n^3(-1.443n + 1.7) \\ 0.4329n^4 - 0.51n^3$$

$$132) 6.6a(-4.8a - 4.3) \\ -31.68a^2 - 28.38a$$

$$133) 5.9v(-1.868v + 6.2) \\ -11.0212v^2 + 36.58v$$

$$134) -1.03x(6.6x + 3.2) \\ -6.798x^2 - 3.296x$$

$$135) -4(3.1x + 3.6) \\ -12.4x - 14.4$$

$$136) 2.9(-6.8n - 6.9) \\ -19.72n - 20.01$$

$$137) 2.3(-0.5k + 6.3) \\ -1.15k + 14.49$$

$$138) -6.9(5.8p + 3.3) \\ -40.02p - 22.77$$

$$139) 1.911x(0.4x - 3.4) \\ 0.7644x^2 - 6.4974x$$

$$140) -0.7n^3(1.1n + 0.1) \\ -0.77n^4 - 0.07n^3$$

$$141) 0.502(-5m + 1.6) \\ -2.51m + 0.8032$$

$$142) 5.5(3.34r - 5.5) \\ 18.37r - 30.25$$

$$143) -3.6(-3.6x + 4.8)$$
$$12.96x - 17.28$$

$$144) -4.3(2.7n + 1.9)$$
$$-11.61n - 8.17$$

$$145) 2.6(-7.1b - 1)$$
$$-18.46b - 2.6$$

$$146) -7.3x^3(-7.12x + 7.8)$$
$$51.976x^4 - 56.94x^3$$

$$147) -5.02(7.8n + 6.6)$$
$$-39.156n - 33.132$$

$$148) -7.04(-2.9v - 2.8)$$
$$20.416v + 19.712$$

$$149) -a(-3a + 7.1)$$
$$3a^2 - 7.1a$$

$$150) -1.7(-8k - 7.2)$$
$$13.6k + 12.24$$

$$151) 5.2(5.9p + 6)$$
$$30.68p + 31.2$$

$$152) -4(-3.9x + 1.44)$$
$$15.6x - 5.76$$

$$153) -0.51(-6.2n - 6.3)$$
$$3.162n + 3.213$$

$$154) 2.3m(-0.9m - 6.27)$$
$$-2.07m^2 - 14.421m$$

$$155) 1.6p^2(-5.7p + 6.2)$$
$$-9.12p^3 + 9.92p^2$$

$$156) -7.6x^3(-4x + 5.77)$$
$$30.4x^4 - 43.852x^3$$

$$157) 7.8(-4.7n + 4.5)$$
$$-36.66n + 35.1$$

$$158) -1.4(1.5b - 6)$$
$$-2.1b + 8.4$$

$$159) -2.1(-1.122r + 5.9)$$
$$2.3562r - 12.39$$

$$160) 4.9(5.6x + 0.377)$$
$$27.44x + 1.8473$$

$$161) 4.2n(4.4n - 0.8)$$

$$18.48n^2 - 3.36n$$

$$162) -5a(-4.67a - 6.3)$$

$$23.35a^2 + 31.5a$$

$$163) 1.9v^3(-7.5v - 2)$$

$$-14.25v^4 - 3.8v^3$$

$$164) -8(4.7x - 1.73)$$

$$-37.6x + 13.84$$

$$165) 1.2x^2(-7.5x + 6.241)$$

$$-9x^3 + 7.4892x^2$$

$$166) -1.7(1.2k - 0.2)$$

$$-2.04k + 0.34$$

$$167) 7.5(3.898n - 5.2)$$

$$29.235n - 39$$

$$168) -2.4(-p - 3.1)$$

$$2.4p + 7.44$$

$$169) 4.5x(6.4x + 4.7)$$

$$28.8x^2 + 21.15x$$

$$170) 3.8n(-4.3n - 6.92)$$

$$-16.34n^2 - 26.296n$$

$$171) -5.4m^2(-3.4m + 5.206)$$

$$18.36m^3 - 28.1124m^2$$

$$172) -6r^2(-6.3r - 3.3)$$

$$37.8r^3 + 19.8r^2$$

$$173) 0.863(3.2x + 7.4)$$

$$2.7616x + 6.3862$$

$$174) 7.8(4.4n + 4)$$

$$34.32n + 31.2$$

$$175) 2.51(-2.2b + 0.7)$$

$$-5.522b + 1.757$$

$$176) -2.1v^3(-6.4v - 1.1)$$

$$13.44v^4 + 2.31v^3$$

$$177) -2.8x(-7.6x - 6)$$

$$21.28x^2 + 16.8x$$

$$178) 4.2n(-2.3n + 3)$$

$$-9.66n^2 + 12.6n$$

$$179) 3.5a^3(3.5a + 2.9)$$
$$12.25a^4 + 10.15a^3$$

$$180) -1.5k^3(-2.7k - 7.9)$$
$$4.05k^4 + 11.85k^3$$

$$181) -6.4(7.6p - 8)$$
$$-48.64p + 51.2$$

$$182) -0.2(4.1n + 2.2)$$
$$-0.82n - 0.44$$

$$183) 0.5(4.928x + 5.7)$$
$$2.464x + 2.85$$

$$184) -5.289(-5.6r - 0.5)$$
$$29.6184r + 2.6445$$

$$185) 6.8m^2(3.439m - 2.188)$$
$$23.3852m^3 - 14.8784m^2$$

$$186) -3.1x(-0.2x - 7.6)$$
$$0.62x^2 + 23.56x$$

$$187) 5.03(5.1n - 5.01)$$
$$25.653n - 25.2003$$

$$188) 3.1(-5.3b + 3.7)$$
$$-16.43b + 11.47$$

$$189) -6(r + 0.7)$$
$$-6r - 4.2$$

$$190) -6.7(7.3x - 2.2)$$
$$-48.91x + 14.74$$

$$191) 0.2n(-5.7n - 3.3)$$
$$-1.14n^2 - 0.66n$$

$$192) -0.5a^2(4.44a + 3.8)$$
$$-2.22a^3 - 1.9a^2$$

$$193) 6.4v(5v + 5)$$
$$32v^2 + 32v$$

$$194) 5.7x(1.9x - 2.2)$$
$$10.83x^2 - 12.54x$$

$$195) -3.4(-2.1x + 7.8)$$
$$7.14x - 26.52$$

$$196) 3.5(4.2n + 4.8)$$
$$14.7n + 16.8$$

$$197) 2.8(-5.6k + 1.9) \\ -15.68k + 5.32$$

$$198) -6.4(0.6p + 5.226) \\ -3.84p - 33.4464$$

$$199) -7.1x(-3.6x + 1) \\ 25.56x^2 - 7.1x$$

$$200) -4.787n^4(-1.8n + 3.3) \\ 8.6166n^5 - 15.7971n^4$$

$$201) (3.9r + 0.3)(8.9r + 9) \\ 34.71r^2 + 37.77r + 2.7$$

$$202) (9.6m - 6.1)(6.82m + 6.6) \\ 65.472m^2 + 21.758m - 40.26$$

$$203) (2.6x + 6.7)(7.1x - 7.353) \\ 18.46x^2 + 28.4522x - 49.2651$$

$$204) (3.9v - 0.2)(4.8v + 9) \\ 18.72v^2 + 34.14v - 1.8$$

$$205) (5.7b - 1.2)(9b - 3.2) \\ 51.3b^2 - 29.04b + 3.84$$

$$206) (7n - 7.6)(5.2n - 5.7) \\ 36.4n^2 - 79.42n + 43.32$$

$$207) (3.815x - 6.7)(0.2x + 8.78) \\ 0.763x^2 + 32.1557x - 58.826$$

$$208) (7.6a + 3.6)(1.6a + 7.6) \\ 12.16a^2 + 63.52a + 27.36$$

$$209) (3.2n - 2.8)(3.5n + 5.2) \\ 11.2n^2 + 6.84n - 14.56$$

$$210) (0.6p - 4.3)(7.18p - 9.9) \\ 4.308p^2 - 36.814p + 42.57$$

$$211) (6.3k + 10)(9.9k - 9.5) \\ 62.37k^2 + 39.15k - 95$$

$$212) (3.8n + 8.4)(4.3n - 1.6) \\ 16.34n^2 + 30.04n - 13.44$$

$$213) (9.4x + 2.1)(6.2x - 4.1) \\ 58.28x^2 - 25.52x - 8.61$$

$$214) (3.92m + 7.9)(5.9m - 4.7) \\ 23.128m^2 + 28.186m - 37.13$$



$$215) (5.6x + 6.9)(4.4x + 6.7)$$

$$24.64x^2 + 67.88x + 46.23$$

$$216) (6.9r + 0.5)(6.3r + 3.8)$$

$$43.47r^2 + 29.37r + 1.9$$

$$217) (4.3b - 1)(0.7b - 7.9)$$

$$3.01b^2 - 34.67b + 7.9$$

$$218) (6.48r + 1)(6.7r - 2.9)$$

$$43.416r^2 - 12.092r - 2.9$$

$$219) (7.5x - 8.9)(7.1x - 2.5)$$

$$53.25x^2 - 81.94x + 22.25$$

$$220) (10n - 7.3)(2.6n - 7.889)$$

$$26n^2 - 97.87n + 57.5897$$

$$221) (0.255n + 2.4)(7.1n - 6.4)$$

$$1.8105n^2 + 15.408n - 15.36$$

$$222) (0.5a + 3.8)(3.4a + 2.9)$$

$$1.7a^2 + 14.37a + 11.02$$

$$223) (9.3v + 9.7)(1.6v + 5.3)$$

$$14.88v^2 + 64.81v + 51.41$$

$$224) (3.7x - 4)(9.8x - 4.01)$$

$$36.26x^2 - 54.037x + 16.04$$

$$225) (2.4x + 2.3)(7.9x - 9.3)$$

$$18.96x^2 - 4.15x - 21.39$$

$$226) (6.8n + 8.7)(1.7n - 6.9)$$

$$11.56n^2 - 32.13n - 60.03$$

$$227) (5.5k - 5.6)(8.55k + 3.6)$$

$$47.025k^2 - 28.08k - 20.16$$

$$228) (9.9p + 0.8)(8.1p - 1.5)$$

$$80.19p^2 - 8.37p - 1.2$$

$$229) (3n - 7.1)(4.4n - 5.2)$$

$$13.2n^2 - 46.84n + 36.92$$

$$230) (4.2x + 7.1)(6.2x + 1.5)$$

$$26.04x^2 + 50.32x + 10.65$$

$$231) (7.4m - 0.7)(4.17m - 2.9)$$

$$30.858m^2 - 24.379m + 2.03$$

$$232) (6.1r + 5.6)(0.7r + 9.4)$$

$$4.27r^2 + 61.26r + 52.64$$

$$233) (3.5b + 4.1)(5.2b - 2.3)$$

$$18.2b^2 + 13.27b - 9.43$$

$$234) (0.4x - 8.6)(8.9x - 7.8)$$

$$3.56x^2 - 79.66x + 67.08$$

$$235) (9.2n - 2.3)(7.1n - 3.48)$$

$$65.32n^2 - 48.346n + 8.004$$

$$236) (6.7x - 3.8)(3.46x + 7.2)$$

$$23.182x^2 + 35.092x - 27.36$$

$$237) (5.4n + 2.6)(5.3n + 5.5)$$

$$28.62n^2 + 43.48n + 14.3$$

$$238) (2.3v + 9.9)(9v + 0.1)$$

$$20.7v^2 + 89.33v + 0.99$$

$$239) (9.8a + 8.4)(3.5a + 8.5)$$

$$34.3a^2 + 112.7a + 71.4$$

$$240) (4.1k - 5.3)(1.6k - 4.66)$$

$$6.56k^2 - 27.586k + 24.698$$

$$241) (7.48p - 4.2)(9.2p + 0.6)$$

$$68.816p^2 - 34.152p - 2.52$$

$$242) (7.3x + 6.9)(8x - 3.7)$$

$$58.4x^2 + 28.19x - 25.53$$

$$243) (6n - 6.8)(6.2n - 0.8)$$

$$37.2n^2 - 46.96n + 5.44$$

$$244) (9.1r + 5.9)(2.5r + 4.6)$$

$$22.75r^2 + 56.61r + 27.14$$

$$245) (0.3m - 0.5)(4.3m + 1.7)$$

$$1.29m^2 - 1.64m - 0.85$$

$$246) (0.02x + 9)(5.8x + 0.3)$$

$$0.116x^2 + 52.206x + 2.7$$

$$247) (3.46b - 0.27)(b - 9.2)$$

$$3.46b^2 - 32.102b + 2.484$$

$$248) (2.1n - 2)(4.4n - 10)$$

$$9.24n^2 - 29.8n + 20$$

$$249) (5.3v - 9.9)(0.7v - 4.6)$$

$$3.71v^2 - 31.31v + 45.54$$

$$250) (4n + 2.8)(7.1n + 0.8)$$

$$28.4n^2 + 23.08n + 2.24$$

$$251) (2.7a + 8.7)(5.3a + 3.3)$$

$$14.31a^2 + 55.02a + 28.71$$

$$252) (9.7x - 3.5)(9x - 1.4)$$

$$87.3x^2 - 45.08x + 4.9$$

$$253) (6.01v + 3.5)(5.6v + 0.7)$$

$$33.656v^2 + 23.807v + 2.45$$

$$254) (9n - 6.6)(7.9n - 6)$$

$$71.1n^2 - 106.14n + 39.6$$

$$255) (5.9x + 1.3)(1.6x + 8.7)$$

$$9.44x^2 + 53.41x + 11.31$$

$$256) (0.2x + 7.1)(9.8x - 8.5)$$

$$1.96x^2 + 67.88x - 60.35$$

$$257) (3.3k - 0.2)(1.7k + 8.332)$$

$$5.61k^2 + 27.1556k - 1.6664$$

$$258) (2p + 5.6)(9.9p - 0.6)$$

$$19.8p^2 + 54.24p - 3.36$$

$$259) (9.6m + 4.1)(4.4m + 7.8)$$

$$42.24m^2 + 92.92m + 31.98$$

$$260) (6.5x - 8.1)(8.1x + 2.4)$$

$$52.65x^2 - 50.01x - 19.44$$

$$261) (2n - 0.444)(2.6n - 5.8)$$

$$5.2n^2 - 12.7544n + 2.5752$$

$$262) (3.9r - 9.7)(2.5r - 9.8)$$

$$9.75r^2 - 62.47r + 95.06$$

$$263) (7n + 3.1)(8.9n - 4.4)$$

$$62.3n^2 - 3.21n - 13.64$$

$$264) (5.8b + 8.9)(7.1b - 1.5)$$

$$41.18b^2 + 54.49b - 13.35$$

$$265) (2.6x - 3.3)(0.7x - 6.9)$$

$$1.82x^2 - 20.25x + 22.77$$

$$266) (0.1v - 4.8)(5.2v + 1)$$

$$0.52v^2 - 24.86v - 4.8$$

$$267) (8.9x + 1.5)(3.3x - 6.23)$$

$$29.37x^2 - 50.497x - 9.345$$

$$268) (1.9a - 6.4)(5.3a + 9.4)$$

$$10.07a^2 - 16.06a - 60.16$$

$$269) (3.2n + 7.4)(7.2n + 6.4)$$

$$23.04n^2 + 73.76n + 47.36$$

$$270) (6.3k + 4.7)(7.2k + 2.5)$$

$$45.36k^2 + 49.59k + 11.75$$

$$271) (9.5x - 7.9)(9.9x - 2.9)$$

$$94.05x^2 - 105.76x + 22.91$$

$$272) (2.5m + 4.3)(6.2m + 2.6)$$

$$15.5m^2 + 33.16m + 11.18$$

$$273) (3.8n - 1.5)(8n - 7.42)$$

$$30.4n^2 - 40.196n + 11.13$$

$$274) (6.9r - 9.4)(4.3r + 5.5)$$

$$29.67r^2 - 2.47r - 51.7$$

$$275) (5.6x - 3.1)(3.515x - 7.1)$$

$$19.684x^2 - 50.6565x + 22.01$$

$$276) (7.1n - 0.8)(8.4n + 1.2)$$

$$59.64n^2 + 1.8n - 0.96$$

$$277) (5.1p + 5.9)(1.6p - 5.3)$$

$$8.16p^2 - 17.59p - 31.27$$

$$278) (3.1v - 4.6)(2.6v - 3.7)$$

$$8.06v^2 - 23.43v + 17.02$$

$$279) (0.966x - 8.7)(8.9x + 6)$$

$$8.5974x^2 - 71.634x - 52.2$$

$$280) (8.8b + 9.2)(4.4b - 6.7)$$

$$38.72b^2 - 18.48b - 61.64$$

$$281) (3a - 7.2)(1.69a - 9.1)$$

$$5.07a^2 - 39.468a + 65.52$$

$$282) (6.2n + 7.6)(9n + 1.7)$$

$$55.8n^2 + 78.94n + 12.92$$

$$283) (3.7x + 6.1)(3.4x + 9.5)$$

$$12.58x^2 + 55.89x + 57.95$$

$$284) (6.8n - 1.3)(9.95n - 1.036)$$

$$67.66n^2 - 19.9798n + 1.3468$$

$$285) (9.4v + 0.2)(5.3v - 7.678)$$

$$49.82v^2 - 71.1132v - 1.5356$$

$$286) (2.4x - 7.6)(1.6x - 7.6)$$

$$3.84x^2 - 30.4x + 57.76$$

$$287) (9.9p - 9.2)(6.1p + 0.3)$$

$$60.39p^2 - 53.15p - 2.76$$

$$288) (8.7x - 2.8)(9.9x + 3.2)$$

$$86.13x^2 + 0.12x - 8.96$$

$$289) (5.569k + 5.9)(4.4k - 1.184)$$

$$24.5036k^2 + 19.366304k - 6.9856$$

$$290) (3n + 3.1)(2.97n - 6.41)$$

$$8.91n^2 - 10.023n - 19.871$$

$$291) (1.7m + 9.4)(6.2m + 8.7)$$

$$10.54m^2 + 73.07m + 81.78$$

$$292) (4.8x + 1.5)(2.5x - 6.35)$$

$$12x^2 - 26.73x - 9.525$$

$$293) (4.815r - 0.5)(9.7r + 6.5)$$

$$46.7055r^2 + 26.4475r - 3.25$$

$$294) (1.53n + 0.5)(2.1n - 5.7)$$

$$3.213n^2 - 7.671n - 2.85$$

$$295) (3.6b - 5.9)(8.9b - 0.6)$$

$$32.04b^2 - 54.67b + 3.54$$

$$296) (5.4x - 7.4)(3.3x + 7.3)$$

$$17.82x^2 + 15x - 54.02$$

$$297) (2.3v + 1.9)(0.3v - 0.5)$$

$$0.69v^2 - 0.58v - 0.95$$

$$298) (6.7x + 6.4)(5.2x + 4.8)$$

$$34.84x^2 + 65.44x + 30.72$$

$$299) (9.8a - 1)(1.5a - 9.9)$$

$$14.7a^2 - 98.52a + 9.9$$

$$300) (8.6k + 4.8)(8.797k - 7.1)$$

$$75.6542k^2 - 18.8344k - 34.08$$

$$301) (10.2n + 1.9)(9.9n + 9.2)$$

$$100.98n^2 + 112.65n + 17.48$$

$$302) (0.2x + 5.9)(1.1x - 3.2)$$

$$0.22x^2 + 5.85x - 18.88$$

$$303) (4.6p + 10.8)(4.5p + 7.8)$$

$$20.7p^2 + 84.48p + 84.24$$

$$304) (3.7r - 7.8)(3.2r + 10.6)$$

$$11.84r^2 + 14.26r - 82.68$$

$$305) (1.7x - 11.8)(11.82x + 6) \\ 20.094x^2 - 129.276x - 70.8$$

$$306) (5.8m - 2.9)(6.5m - 1.8) \\ 37.7m^2 - 29.29m + 5.22$$

$$307) (7.3b + 2.6)(5.2b + 1.1) \\ 37.96b^2 + 21.55b + 2.86$$

$$308) (5.12n + 3.3)(2n - 6.3) \\ 10.24n^2 - 25.656n - 20.79$$

$$309) (0.8x - 6.3)(0.8x - 2.43) \\ 0.64x^2 - 6.984x + 15.309$$

$$310) (2.9v - 1.5)(1.8v - 10.7) \\ 5.22v^2 - 33.73v + 16.05$$

$$311) (8.5n - 11.1)(9.5n - 9.3) \\ 80.75n^2 - 184.5n + 103.23$$

$$312) (6.5a + 8.9)(6.2a + 3.9) \\ 40.3a^2 + 80.53a + 34.71$$

$$313) (2.1k + 4.1)(2.8k - 7.8) \\ 5.88k^2 - 4.9k - 31.98$$

$$314) (9.92x + 5.4)(11.259x - 12) \\ 111.68928x^2 - 58.2414x - 64.8$$

$$315) (5.6n - 9.7)(10.75n + 1.8) \\ 60.2n^2 - 94.195n - 17.46$$

$$316) (3.5k + 9.6)(1.5k - 5) \\ 5.25k^2 - 3.1k - 48$$

$$317) (7.7x - 4.8)(8.2x - 6.4) \\ 63.14x^2 - 88.64x + 30.72$$

$$318) (7.06x - 6.6)(8.1x - 11.8) \\ 57.186x^2 - 136.768x + 77.88$$

$$319) (2.522m - 7.93)(10.1m + 5) \\ 25.4722m^2 - 67.483m - 39.65$$

$$320) (4.8n - 4.1)(3.5n - 9.9) \\ 16.8n^2 - 61.87n + 40.59$$

$$321) (11.3p + 4.8)(10.2p + 8.2) \\ 115.26p^2 + 141.62p + 39.36$$

$$322) (10.4r + 11.1)(11.2r + 11) \\ 116.48r^2 + 238.72r + 122.1$$

$$323) (8.3x + 6.2)(7.9x - 0.7)$$
$$65.57x^2 + 43.17x - 4.34$$

$$324) (1.9b - 2.6)(1.2b + 0.7)$$
$$2.28b^2 - 1.79b - 1.82$$

$$325) (4n + 1.4)(4.5n - 11.7)$$
$$18n^2 - 40.5n - 16.38$$

$$326) (5.4x + 7.7)(3.2x - 8.9)$$
$$17.28x^2 - 23.42x - 68.53$$

$$327) (1.1a + 2.9)(5.92a + 9)$$
$$6.512a^2 + 27.068a + 26.1$$

$$328) (7.5x + 11.8)(6.5x + 2.1)$$
$$48.75x^2 + 92.45x + 24.78$$

$$329) (1.64v - 4.5)(1.6v + 2.39)$$
$$2.624v^2 - 3.2804v - 10.755$$

$$330) (11.1k - 2)(8.6k - 7.4)$$
$$95.46k^2 - 99.34k + 14.8$$

$$331) (6.7p - 6)(7.5p + 4.9)$$
$$50.25p^2 - 12.17p - 29.4$$

$$332) (4.6x - 10.8)(4.2x - 6)$$
$$19.32x^2 - 72.96x + 64.8$$

$$333) (10.2m + 3.6)(9.6m - 4.6)$$
$$97.92m^2 - 12.36m - 16.56$$

$$334) (3.8x - 5.3)(2.9x - 3.2)$$
$$11.02x^2 - 27.53x + 16.96$$

$$335) (0.2n + 8.4)(0.8n + 6.3)$$
$$0.16n^2 + 7.98n + 52.92$$

$$336) (5.9r - 0.5)(10.43r + 5.8)$$
$$61.537r^2 + 29.005r - 2.9$$

$$337) (11.5n - 10.1)(11.6n + 9.2)$$
$$133.4n^2 - 11.36n - 92.92$$

$$338) (7.3v + 5.1)(4.84v + 4.8)$$
$$35.332v^2 + 59.724v + 24.48$$

$$339) (9.4b + 9.9)(8.2b - 1.8)$$
$$77.08b^2 + 64.26b - 17.82$$

$$340) (2.9x + 0.2)(1.5x - 0.3)$$
$$4.35x^2 - 0.57x - 0.06$$

$$341) (0.9n - 3.8)(10.3n + 12)$$
$$9.27n^2 - 28.34n - 45.6$$

$$342) (2.1x + 6.6)(2.5x + 2.5)$$
$$5.25x^2 + 21.75x + 16.5$$

$$343) (8.6a - 8.7)(9.2a + 1.1)$$
$$79.12a^2 - 70.58a - 9.57$$

$$344) (4x - 0.029)(1.7x - 3.01)$$
$$6.8x^2 - 12.0893x + 0.08729$$

$$345) (6.5k + 10.6)(5.9k + 6.82)$$
$$38.35k^2 + 106.87k + 72.292$$

$$346) (7.7n - 3.1)(7.9n + 3.9)$$
$$60.83n^2 + 5.54n - 12.09$$

$$347) (11.3x + 7.2)(3.76x + 0.6)$$
$$42.488x^2 + 33.852x + 4.32$$

$$348) (5.7k - 7.2)(4.6k - 7.47)$$
$$26.22k^2 - 75.699k + 53.784$$

$$349) (9.2n + 3.2)(6.6n + 6.7)$$
$$60.72n^2 + 82.76n + 21.44$$

$$350) (4.8m - 1.6)(3.2m - 5)$$
$$15.36m^2 - 29.12m + 8$$

$$351) (2.7r - 6.5)(2.2r + 8.2)$$
$$5.94r^2 + 7.84r - 53.3$$

$$352) (8.6x - 3.9)(6.7x - 1.2)$$
$$57.62x^2 - 36.45x + 4.68$$

$$353) (8.4n + 8.7)(7.6n + 9.6)$$
$$63.84n^2 + 146.76n + 83.52$$

$$354) (4.65p + 8.1)(6.3p - 6.13)$$
$$29.295p^2 + 22.5255p - 49.653$$

$$355) (1.9v - 1)(0.9v + 11)$$
$$1.71v^2 + 20v - 11$$

$$356) (2.64b + 10.2)(2.1b - 1.7)$$
$$5.544b^2 + 16.932b - 17.34$$

$$357) (7.5x - 9.8)(6.2x - 11.7)$$
$$46.5x^2 - 148.51x + 114.66$$

$$358) (3.2a + 9.4)(8.694a - 3.6)$$
$$27.8208a^2 + 70.2036a - 33.84$$



$$359) (3.18k - 1.8)(5.127k + 6.6)$$
$$16.30386k^2 + 11.7594k - 11.88$$

$$360) (11.1p + 0.5)(8.3p + 2.9)$$
$$92.13p^2 + 36.34p + 1.45$$

$$361) (6.7x - 4.3)(4.9x - 8.8)$$
$$32.83x^2 - 80.03x + 37.84$$

$$362) (9.6x - 5)(9.6x + 0.1)$$
$$92.16x^2 - 47.04x - 0.5$$

$$363) (5.9x + 2)(5.9x - 6)$$
$$34.81x^2 - 23.6x - 12$$

$$364) (10.3r + 6.1)(3.131r - 5.9)$$
$$32.2493r^2 - 41.6709r - 35.99$$

$$365) (0.3m + 10.9)(0.5m - 7.4)$$
$$0.15m^2 + 3.23m - 80.66$$

$$366) (4.6n - 8.4)(3.9n - 8.12)$$
$$17.94n^2 - 70.112n + 68.208$$

$$367) (5.1x + 7.5)(4.6x + 9.25)$$
$$23.46x^2 + 81.675x + 69.375$$

$$368) (1.17n - 0.5)(8.1n - 7.2)$$
$$9.477n^2 - 12.474n + 3.6$$

$$369) (11.5b + 1.99)(5.8b + 4.6)$$
$$66.7b^2 + 64.442b + 9.154$$

$$370) (9.4v - 11.7)(7.9v + 8.6)$$
$$74.26v^2 - 11.59v - 100.62$$

$$371) (3n + 2.7)(1.2n + 10)$$
$$3.6n^2 + 33.24n + 27$$

$$372) (8.6k - 6.2)(8.9k + 11.4)$$
$$76.54k^2 + 42.86k - 70.68$$

$$373) (0.9a - 2.1)(10a - 1.8)$$
$$9a^2 - 22.62a + 3.78$$

$$374) (6.5x - 11)(5.6x - 0.3)$$
$$36.4x^2 - 63.55x + 3.3$$

$$375) (2.1x + 8.2)(6.12x - 10.1)$$
$$12.852x^2 + 28.974x - 82.82$$

$$376) (0.1n - 11.956)(9.1n + 1.7)$$
$$0.91n^2 - 108.6296n - 20.3252$$

$$377) (5.7p - 5.5)(9.845p + 0.4)$$
$$56.1165p^2 - 51.8675p - 2.2$$

$$378) (1.3x - 9.5)(0.9x - 8.4)$$
$$1.17x^2 - 19.47x + 79.8$$

$$379) (7.8m - 0.7)(7.6m - 9.9)$$
$$59.28m^2 - 82.54m + 6.93$$

$$380) (1.232n - 3.4)(11.9n - 0.1)$$
$$14.6608n^2 - 40.5832n + 0.34$$

$$381) (4.9r + 0.8)(2.9r + 5.3)$$
$$14.21r^2 + 28.29r + 4.24$$

$$382) (6.9m + 4.9)(6.3m - 7)$$
$$43.47m^2 - 17.43m - 34.3$$

$$383) (2.8x - 0.79)(2.6x + 10.4)$$
$$7.28x^2 + 27.066x - 8.216$$

$$384) (8.4b + 11.2)(7.3b - 4.2)$$
$$61.32b^2 + 46.48b - 47.04$$

$$385) (4v + 6.4)(3.9v + 8.6)$$
$$15.6v^2 + 59.36v + 55.04$$

$$386) (10.13x - 1.3)(5.4x + 8.21)$$
$$54.702x^2 + 76.1473x - 10.673$$

$$387) (10.5n - 8.8)(10.6n + 6.8)$$
$$111.3n^2 - 21.88n - 59.84$$

$$388) (3.2k + 11.9)(2.6k - 5.69)$$
$$8.32k^2 + 12.732k - 67.711$$

$$389) (7.6a - 7.4)(5.9a - 1.4)$$
$$44.84a^2 - 54.3a + 10.36$$

$$390) (10.67x + 10)(5.9x - 4.8)$$
$$62.953x^2 + 7.784x - 48$$

$$391) (9.7x - 3.3)(1.3x - 3.7)$$
$$12.61x^2 - 40.18x + 12.21$$

$$392) (1.1p + 9.67)(8.2p + 7.5)$$
$$9.02p^2 + 87.544p + 72.525$$

$$393) (6.7n - 1.8)(4.6n + 1.5)$$
$$30.82n^2 + 1.77n - 2.7$$

$$394) (0.3r - 10.7)(0.2r + 2.9)$$
$$0.06r^2 - 1.27r - 31.03$$

$$395) (5.9n + 3.7)(5.6n + 4.3)$$

$$33.04n^2 + 46.09n + 15.91$$

$$396) (10.3x + 8.5)(9x + 1.13)$$

$$92.7x^2 + 88.139x + 9.605$$

$$397) (4.72m - 11.359)(4.9m + 9.8)$$

$$23.128m^2 - 9.4031m - 111.3182$$

$$398) (3.8b + 4.88)(3.59b - 1.2)$$

$$13.642b^2 + 12.9592b - 5.856$$

$$399) (8.66v - 12)(11.5v + 3.9)$$

$$99.59v^2 - 104.226v - 46.8$$

$$400) (9.5x - 10)(7.6x - 6)$$

$$72.2x^2 - 133x + 60$$

$$401) (14.2a + 7.3)(7.7a - 16.9)$$

$$109.34a^2 - 183.77a - 123.37$$

$$402) (-13.724n + 2.428)(16.2n + 12.6)$$

$$-222.3288n^2 - 133.5888n + 30.5928$$

$$403) (-3.9k - 3.9)(-1.8k + 1.6)$$

$$7.02k^2 + 0.78k - 6.24$$

$$404) (-10.6x - 3.6)(-19.68x + 19.1)$$

$$208.608x^2 - 131.612x - 68.76$$

$$405) (-17.2x - 14.7)(-9.5x - 13)$$

$$163.4x^2 + 363.25x + 191.1$$

$$406) (4.8n - 0.458)(-7.9n - 8.784)$$

$$-37.92n^2 - 38.545n + 4.023072$$

$$407) (-1.9m + 3.1)(11.5m + 12.5)$$

$$-21.85m^2 + 11.9m + 38.75$$

$$408) (-20p + 3.3)(-16.74p + 6)$$

$$334.8p^2 - 175.242p + 19.8$$

$$409) (13.4x - 7.8)(-7.7x - 2.1)$$

$$-103.18x^2 + 31.92x + 16.38$$

$$410) (-4.7n - 19)(-17.2n + 5)$$

$$80.84n^2 + 303.3n - 95$$

$$411) (10.7r + 10.3)(3.8r - 9.6)$$

$$40.66r^2 - 63.58r - 98.88$$

$$412) (4x - 0.9)(-5.8x - 4.96)$$

$$-23.2x^2 - 14.62x + 4.464$$

$$413) (-11.3b - 18.7)(13.3b - 16.7) \\ -150.29b^2 - 60b + 312.29$$

$$414) (-14.1n + 1.84)(16.2n - 5) \\ -228.42n^2 + 100.308n - 9.2$$

$$415) (12.6v + 17.2)(17.1v + 1.3) \\ 215.46v^2 + 310.5v + 22.36$$

$$416) (-5.4x + 17.4)(7.5x + 19.8) \\ -40.5x^2 + 23.58x + 344.52$$

$$417) (9.9a - 4.8)(-11.6a - 14.615) \\ -114.84a^2 - 89.0085a + 70.152$$

$$418) (-12.1x + 6.3)(-2x - 13.2) \\ 24.2x^2 + 147.12x - 83.16$$

$$419) (19.3b - 11.8)(-13.5b - 5.7) \\ -260.55b^2 + 49.29b + 67.26$$

$$420) (3.2k - 4.6)(18.9k + 12.3) \\ 60.48k^2 - 47.58k - 56.58$$

$$421) (-12.17p - 12.5)(0.8p - 0.7) \\ -9.736p^2 - 1.481p + 8.75$$

$$422) (0.5n + 2.1)(-9.7n - 6.439) \\ -4.85n^2 - 23.5895n - 13.5219$$

$$423) (18.5x - 3.166)(-11.3x - 14) \\ -209.05x^2 - 223.2242x + 44.324$$

$$424) (15.8r - 8.8)(11.3r + 1.6) \\ 178.54r^2 - 74.16r - 14.08$$

$$425) (0.31x - 14)(-19.3x + 1.6) \\ -5.983x^2 + 270.696x - 22.4$$

$$426) (-6.2m + 2.3)(-13.737m - 14.48) \\ 85.1694m^2 + 58.1809m - 33.304$$

$$427) (2.4n - 19.7)(3.6n - 13) \\ 8.64n^2 - 102.12n + 256.1$$

$$428) (-19.375b - 19.3)(-14.6b + 15.1) \\ 282.875b^2 - 10.7825b - 291.43$$

$$429) (17.8v + 15.51)(13.4v + 1.8) \\ 238.52v^2 + 239.874v + 27.918$$

$$430) (-0.3x - 1.6)(15x + 19.6) \\ -4.5x^2 - 29.88x - 31.36$$

431)  $(-7n - 12.7)(5.4n - 2.1)$

$$-37.8n^2 - 53.88n + 26.67$$

432)  $(15a + 16.2)(-4.1a + 5)$

$$-61.5a^2 + 8.58a + 81$$

433)  $(6.33k + 19.3)(5.4k + 17.3)$

$$34.182k^2 + 213.729k + 333.89$$

434)  $(-9.7x + 5.3)(-2.44x + 4)$

$$23.668x^2 - 51.732x + 21.2$$

435)  $(-16.4x - 5.8)(7.3x + 8.9)$

$$-119.72x^2 - 188.3x - 51.62$$

436)  $(-7.8p + 12.3)(-9.9p + 1.3)$

$$77.22p^2 - 131.91p + 15.99$$

437)  $(5.6n + 2.71)(8.19n + 16.3)$

$$45.864n^2 + 113.4749n + 44.173$$

438)  $(14.2x + 12.5)(-19.5x - 5.07)$

$$-276.9x^2 - 315.744x - 63.375$$

439)  $(-1.1m - 9.801)(-2.6m - 7.2)$

$$2.86m^2 + 33.4026m + 70.5672$$

440)  $(-10.5b - 9.8)(1.5b + 5.2)$

$$-15.75b^2 - 69.3b - 50.96$$

441)  $(4.8x + 19.4)(-3.819x - 18.2)$

$$-18.3312x^2 - 161.4486x - 353.08$$

442)  $(7.241n + 12.5)(-10n - 7)$

$$-72.41n^2 - 175.687n - 87.5$$

443)  $(-20b - 11.57)(10.1b - 14.552)$

$$-202b^2 + 174.183b + 168.36664$$

444)  $(-1.9n - 10.83)(18.4n + 18.3)$

$$-34.96n^2 - 234.042n - 198.189$$

445)  $(13.5v - 2.6)(-6.2v + 12.28)$

$$-83.7v^2 + 181.9v - 31.928$$

446)  $(-17.2r + 19.2)(-8.1r + 12.3)$

$$139.32r^2 - 367.08r + 236.16$$

447)  $(-4.6x - 13.7)(-15.29x - 2.6)$

$$70.334x^2 + 221.433x + 35.62$$

448)  $(-11.3x + 15.2)(-13.9x + 8.6)$

$$157.07x^2 - 308.46x + 130.72$$

$$449) (-18a + 15.5)(16.7a - 4.53) \\ -300.6a^2 + 340.39a - 70.215$$

$$450) (4k + 4.3)(7.1k - 6) \\ 28.4k^2 + 6.53k - 25.8$$

$$451) (-2.7p + 12.405)(6.7p - 15.8) \\ -18.09p^2 + 125.7735p - 195.999$$

$$452) (19.4x + 15.64)(-5.3x - 0.4) \\ -102.82x^2 - 90.652x - 6.256$$

$$453) (-16.19n + 7.3)(-17.3n - 13.7) \\ 280.087n^2 + 95.513n - 100.01$$

$$454) (-5.4m + 11.3)(9m + 5) \\ -48.6m^2 + 74.7m + 56.5$$

$$455) (17.37r - 9.4)(-1.3r - 0.2) \\ -22.581r^2 + 8.746r + 1.88$$

$$456) (9.9x + 0.4)(-10.1x - 12.717) \\ -99.99x^2 - 129.9383x - 5.0868$$

$$457) (3.2n - 10.8)(19.66n + 13.3) \\ 62.912n^2 - 169.768n - 143.64$$

$$458) (-14.8b - 10.5)(-17.8b + 15.9) \\ 263.44b^2 - 48.42b - 166.95$$

$$459) (18.6v + 10.44)(-9.3v + 15.4) \\ -172.98v^2 + 189.348v + 160.776$$

$$460) (-3.013x + 0.5)(7.4x + 12.29) \\ -22.2962x^2 - 33.32977x + 6.145$$

$$461) (-6.2n - 3.8)(-6.4n + 19.8) \\ 39.68n^2 - 98.44n - 75.24$$

$$462) (12.346a + 16.76)(11.63a - 18.8) \\ 143.58398a^2 - 37.186a - 315.088$$

$$463) (2.5x + 14.2)(5x + 12.3) \\ 12.5x^2 + 101.75x + 174.66$$

$$464) (-15.6x + 14.5)(-4.5x - 9.4) \\ 70.2x^2 + 81.39x - 136.3$$

$$465) (9.1k - 14.7)(3.171k - 17.215) \\ 28.8561k^2 - 203.2702k + 253.0605$$

$$466) (17.8n + 5.77)(15.4n - 9) \\ 274.12n^2 - 71.342n - 51.93$$

$$467) (-4.14m + 11.242)(16.2m - 1.722) \\ -67.068m^2 + 189.24948m - 19.358724$$

$$468) (-7p - 11.44)(9.01p - 15.9) \\ -63.07p^2 + 8.2256p + 181.896$$

$$469) (15.1x - 18.7)(8.8x + 1.6) \\ 132.88x^2 - 140.4x - 29.92$$

$$470) (-16.4r - 0.6)(-19.9r + 12.17) \\ 326.36r^2 - 187.648r - 7.302$$

$$471) (-9.7b + 10.5)(-10.4b - 13) \\ 100.88b^2 + 16.9b - 136.5$$

$$472) (8.4n + 10.3)(-0.8n + 8.6) \\ -6.72n^2 + 64n + 88.58$$

$$473) (1.88n - 17.44)(19.6n + 5.82) \\ 36.848n^2 - 330.8824n - 101.5008$$

$$474) (17x - 11.7)(6.6x + 6.8) \\ 112.2x^2 + 38.38x - 79.56$$

$$475) (-7.7a - 16.64)(16.1a + 8.9) \\ -123.97a^2 - 336.434a - 148.096$$

$$476) (14.3v + 6.3)(-18v + 13.91) \\ -257.4v^2 + 85.513v + 87.633$$

$$477) (7.6x - 4.8)(12.5x - 16.7) \\ 95x^2 - 186.92x + 80.16$$

$$478) (-10.5x - 4.5)(3x - 9.6) \\ -31.5x^2 + 87.3x + 43.2$$

$$479) (-1.8p + 11.31)(-16p - 2.2) \\ 28.8p^2 - 177p - 24.882$$

$$480) (4.8k + 13.3)(-4.7k + 15.9) \\ -22.56k^2 + 13.81k + 211.47$$

$$481) (-17.2a - 15.7)(4.8a + 8.9) \\ -82.56a^2 - 228.44a - 139.73$$

$$482) (-19.9x + 3.062)(-13.14x + 6.2) \\ 261.486x^2 - 163.61468x + 18.9844$$

$$483) (6.8m - 8.5)(-2.9m - 1.8) \\ -19.72m^2 + 12.41m + 15.3$$

$$484) (-11.3r - 19.6)(-12.4r + 5.2) \\ 140.12r^2 + 184.28r - 101.92$$

$$485) (-18x + 9.3)(18.1x - 16.4) \\ -325.8x^2 + 463.53x - 152.52$$

$$486) (13.5n + 6.989)(-11.3n + 11.3) \\ -152.55n^2 + 73.5743n + 78.9757$$

$$487) (-2.6b - 1.6)(-b + 9.1) \\ 2.6b^2 - 22.06b - 14.56$$

$$488) (-8.663n + 10.3)(-19.3n - 13.2) \\ 167.1959n^2 - 84.4384n - 135.96$$

$$489) (-5.4n + 5.634)(12.7n + 2.4) \\ -68.58n^2 + 58.5918n + 13.5216$$

$$490) (12.7x + 1.708)(-15.3x + 15.7) \\ -194.31x^2 + 173.2576x + 26.8156$$

$$491) (-12.1a + 5.4)(12.3a + 20) \\ -148.83a^2 - 175.58a + 108$$

$$492) (19.4v - 2.23)(-3.3v + 0.3) \\ -64.02v^2 + 13.179v - 0.669$$

$$493) (-4.06x + 3.6)(5.4x + 2.5) \\ -21.924x^2 + 9.29x + 9$$

$$494) (-3.4x - 16.7)(-16.4x + 12.5) \\ 55.76x^2 + 231.38x - 208.75$$

$$495) (10k + 5.6)(2.7k - 8.22) \\ 27k^2 - 67.08k - 46.032$$

$$496) (11.9m - 15.77)(9.4m - 8.7) \\ 111.86m^2 - 251.768m + 137.199$$

$$497) (18.6n - 15.03)(-18.287n - 0.4) \\ -340.1382n^2 + 267.41361n + 6.012$$

$$498) (-6.2p - 16.52)(-2.7p + 18.1) \\ 16.74p^2 - 67.616p - 299.012$$

$$499) (-14.815x + 2)(-14.7x + 4.8) \\ 217.7805x^2 - 100.512x + 9.6$$

$$500) (9.2n - 9.5)(-12.6n + 1.8) \\ -115.92n^2 + 136.26n - 17.1$$