

Systems of equations - substitution

Solve the system of equations by using substitution method:

1) $y = -2x$
 $-6x - y = 16$

2) $y = -5x$
 $4x + 4y = -16$

3) $-2x + 2y = 4$
 $y = -4$

4) $5x + 2y = -17$
 $y = -1$

5) $y = x$
 $5x + 2y = 14$

6) $y = x$
 $6x - 2y = 12$

7) $-3x + 6y = -18$
 $y = 0$

8) $-3x - 2y = 18$
 $y = -6x$

9) $y = x$
 $3x - 6y = -3$

10) $3x - 3y = 0$
 $y = -2x$

11) $-5x + 3y = 2$
 $y = 2x$

12) $-2x + 6y = 16$
 $y = 4$

13) $-3x + 4y = -10$
 $y = -4$

14) $-4x - 4y = -8$
 $y = -3$

15) $-2x - 3y = -7$
 $y = -1$

16) $-5x + 4y = 13$
 $y = -2x$

17) $3x - y = 18$
 $y = 6x$

18) $-4x - 3y = 0$
 $y = 5x$

19) $y = 1$
 $-2x - 5y = -11$

20) $-3x + 2y = 12$
 $y = 3$

21) $y = 2$
 $-2x + 5y = 12$

22) $-x - 2y = -15$
 $y = 2x$

23) $-x - 3y = -7$
 $y = 2$

24) $-2x + 3y = 0$
 $y = 3x$

$$\begin{aligned} 25) \quad & y = 4 \\ & 4x + 6y = 0 \end{aligned}$$

$$\begin{aligned} 26) \quad & y = -3 \\ & 2x + 2y = -10 \end{aligned}$$

$$\begin{aligned} 27) \quad & y = 0 \\ & 4x + 2y = -4 \end{aligned}$$

$$\begin{aligned} 28) \quad & y = 1 \\ & -x - 5y = -8 \end{aligned}$$

$$\begin{aligned} 29) \quad & y = -4 \\ & 6x + 2y = -8 \end{aligned}$$

$$\begin{aligned} 30) \quad & -2x - 4y = 0 \\ & y = 5x \end{aligned}$$

$$\begin{aligned} 31) \quad & y = 2x \\ & -x - 2y = 15 \end{aligned}$$

$$\begin{aligned} 32) \quad & y = 1 \\ & -x + 2y = 4 \end{aligned}$$

$$\begin{aligned} 33) \quad & 2x + 3y = 1 \\ & y = -3 \end{aligned}$$

$$\begin{aligned} 34) \quad & y = 3 \\ & -3x - y = 0 \end{aligned}$$

$$\begin{aligned} 35) \quad & 2x - 6y = -16 \\ & y = 4 \end{aligned}$$

$$\begin{aligned} 36) \quad & -3x + 2y = 0 \\ & y = 3x \end{aligned}$$

$$\begin{aligned} 37) \quad & y = 6x \\ & 3x + 2y = 0 \end{aligned}$$

$$\begin{aligned} 38) \quad & y = 5 \\ & -x - y = -5 \end{aligned}$$

$$\begin{aligned} 39) \quad & -x + 3y = 8 \\ & y = x \end{aligned}$$

$$\begin{aligned} 40) \quad & y = -5 \\ & -x - y = 7 \end{aligned}$$

$$\begin{aligned} 41) \quad & y = 0 \\ & 4x + 6y = 0 \end{aligned}$$

$$\begin{aligned} 42) \quad & -6x - y = -5 \\ & y = -1 \end{aligned}$$

$$\begin{aligned} 43) \quad & y = 1 \\ & -x - 3y = -2 \end{aligned}$$

$$\begin{aligned} 44) \quad & y = -2 \\ & -x - 4y = 2 \end{aligned}$$

$$\begin{aligned} 45) \quad & y = 2x \\ & 4x - 4y = -16 \end{aligned}$$

$$\begin{aligned} 46) \quad & y = 5 \\ & -6x - 6y = 0 \end{aligned}$$

$$\begin{aligned} 47) \quad & 5x + 2y = -3 \\ & y = -2x \end{aligned}$$

$$\begin{aligned} 48) \quad & y = -4 \\ & 5x - 4y = -9 \end{aligned}$$

$$\begin{aligned} 49) \quad & 4x - 5y = 12 \\ & y = -4 \end{aligned}$$

$$\begin{aligned} 50) \quad & 6x + 3y = -18 \\ & y = x \end{aligned}$$

$$\begin{aligned} 51) \quad & 5x - 2y = -12 \\ & y = -4 \end{aligned}$$

$$\begin{aligned} 52) \quad & y = 1 \\ & 3x + 3y = 15 \end{aligned}$$

$$\begin{aligned} 53) \quad & y = 2 \\ & -2x + 4y = 10 \end{aligned}$$

$$\begin{aligned} 54) \quad & y = 4 \\ & 4x + 2y = 0 \end{aligned}$$

$$\begin{aligned} 55) \quad & y = -4 \\ & -6x + 4y = -4 \end{aligned}$$

$$\begin{aligned} 56) \quad & 3x - 4y = -6 \\ & y = 6 \end{aligned}$$

$$\begin{aligned} 57) \quad & 5x + 2y = -15 \\ & y = -4x \end{aligned}$$

$$\begin{aligned} 58) \quad & y = -5 \\ & -6x + 3y = -3 \end{aligned}$$

$$\begin{aligned} 59) \quad & y = 4 \\ & -5x - y = 6 \end{aligned}$$

$$\begin{aligned} 60) \quad & 2x + 4y = -16 \\ & y = -3 \end{aligned}$$

$$\begin{aligned} 61) \quad & y = 6 \\ & -4x - 4y = -16 \end{aligned}$$

$$\begin{aligned} 62) \quad & y = -6 \\ & -3x + 2y = -3 \end{aligned}$$

$$\begin{aligned} 63) \quad & 5x + 6y = 13 \\ & y = -3x \end{aligned}$$

$$\begin{aligned} 64) \quad & 6x + 3y = 3 \\ & y = 5 \end{aligned}$$

$$\begin{aligned} 65) \quad & y = 0 \\ & -5x - 4y = 10 \end{aligned}$$

$$\begin{aligned} 66) \quad & y = -4x \\ & 6x - y = 10 \end{aligned}$$

$$\begin{aligned} 67) \quad & y = 0 \\ & -6x - y = 6 \end{aligned}$$

$$\begin{aligned} 68) \quad & -x - 4y = -8 \\ & y = 1 \end{aligned}$$

$$\begin{aligned} 69) \quad & 4x - 4y = 8 \\ & y = 2x \end{aligned}$$

$$\begin{aligned} 70) \quad & -5x + 3y = -18 \\ & y = -1 \end{aligned}$$

$$\begin{aligned} 71) \quad & y = 2x \\ & 5x + 5y = -15 \end{aligned}$$

$$\begin{aligned} 72) \quad & y = 1 \\ & -2x + 4y = -4 \end{aligned}$$

$$\begin{aligned} 73) \quad & -6x - 5y = 0 \\ & y = 3x \end{aligned}$$

$$\begin{aligned} 74) \quad & y = -2 \\ & -x + 4y = -14 \end{aligned}$$

$$\begin{aligned} 75) \quad & y = 5 \\ & 4x - 3y = -15 \end{aligned}$$

$$\begin{aligned} 76) \quad & y = -3 \\ & 4x - y = 3 \end{aligned}$$

$$77) \begin{aligned} 2x - 4y &= 0 \\ y &= -6x \end{aligned}$$

$$78) \begin{aligned} y &= -3x \\ -5x + 4y &= -17 \end{aligned}$$

$$79) \begin{aligned} y &= 3 \\ -5x + 2y &= -4 \end{aligned}$$

$$80) \begin{aligned} y &= 2x \\ -x + 4y &= -14 \end{aligned}$$

$$81) \begin{aligned} -4x - 6y &= 16 \\ y &= -4 \end{aligned}$$

$$82) \begin{aligned} y &= -2 \\ -4x - 6y &= 4 \end{aligned}$$

$$83) \begin{aligned} 4x - 5y &= 0 \\ y &= 6x \end{aligned}$$

$$84) \begin{aligned} -3x - y &= -10 \\ y &= -5 \end{aligned}$$

$$85) \begin{aligned} -2x - 2y &= -2 \\ y &= 5 \end{aligned}$$

$$86) \begin{aligned} -4x - y &= -7 \\ y &= 3 \end{aligned}$$

$$87) \begin{aligned} y &= 1 \\ -4x + 3y &= 11 \end{aligned}$$

$$88) \begin{aligned} -4x - 2y &= -12 \\ y &= -3x \end{aligned}$$

$$89) \begin{aligned} y &= 0 \\ 2x - 6y &= -6 \end{aligned}$$

$$90) \begin{aligned} 2x - 4y &= -8 \\ y &= 0 \end{aligned}$$

$$91) \begin{aligned} y &= 2 \\ -4x + 3y &= 10 \end{aligned}$$

$$92) \begin{aligned} y &= -2x \\ -x + 3y &= 14 \end{aligned}$$

$$93) \begin{aligned} 4x - 5y &= 13 \\ y &= -5 \end{aligned}$$

$$94) \begin{aligned} -4x + 2y &= 14 \\ y &= -1 \end{aligned}$$

$$95) \begin{aligned} y &= 3 \\ -6x + 6y &= 0 \end{aligned}$$

$$96) \begin{aligned} -2x + 2y &= 10 \\ y &= 2x \end{aligned}$$

$$97) \begin{aligned} y &= -1 \\ -3x - y &= -2 \end{aligned}$$

$$98) \begin{aligned} y &= 0 \\ -5x + 4y &= -15 \end{aligned}$$

$$99) \begin{aligned} y &= -2 \\ -4x - 3y &= -10 \end{aligned}$$

$$100) \begin{aligned} y &= -2x \\ -2x - 3y &= 4 \end{aligned}$$

$$101) \begin{aligned} y &= -6 \\ 4x + 9y &= -14 \end{aligned}$$

$$102) \begin{aligned} 7x + 4y &= -9 \\ y &= -2x \end{aligned}$$

$$103) \begin{aligned} y &= -2x \\ -x - 3y &= -20 \end{aligned}$$

$$104) \begin{aligned} y &= -6 \\ -4x + 9y &= -14 \end{aligned}$$

$$105) \begin{aligned} -10x + 8y &= -28 \\ y &= 3x \end{aligned}$$

$$106) \begin{aligned} 6x - 2y &= 18 \\ y &= 6x \end{aligned}$$

$$107) \begin{aligned} 4x + 2y &= -18 \\ y &= -5 \end{aligned}$$

$$108) \begin{aligned} -5x + 7y &= -4 \\ y &= 3 \end{aligned}$$

$$109) \begin{aligned} 8x + 4y &= 12 \\ y &= -9 \end{aligned}$$

$$110) \begin{aligned} 2x - 6y &= -14 \\ y &= -1 \end{aligned}$$

$$111) \begin{aligned} y &= 7 \\ -4x - 6y &= -6 \end{aligned}$$

$$112) \begin{aligned} y &= -6 \\ 8x - 8y &= -24 \end{aligned}$$

$$113) \begin{aligned} y &= -5 \\ -7x - 5y &= -17 \end{aligned}$$

$$114) \begin{aligned} y &= 7 \\ -5x - 10y &= -20 \end{aligned}$$

$$115) \begin{aligned} 6x - 9y &= 0 \\ y &= 6x \end{aligned}$$

$$116) \begin{aligned} y &= -1 \\ -x + 10y &= -13 \end{aligned}$$

$$117) \begin{aligned} y &= x \\ -8x + 5y &= -21 \end{aligned}$$

$$118) \begin{aligned} 7x - y &= 16 \\ y &= -9x \end{aligned}$$

$$119) \begin{aligned} y &= -1 \\ -2x + 2y &= 2 \end{aligned}$$

$$120) \begin{aligned} 3x - 4y &= -10 \\ y &= -2 \end{aligned}$$

$$121) \begin{aligned} y &= x \\ -5x + 4y &= 3 \end{aligned}$$

$$122) \begin{aligned} 8x + 9y &= 9 \\ y &= 9 \end{aligned}$$

$$123) \begin{aligned} y &= 2x \\ 9x + 8y &= -25 \end{aligned}$$

$$124) \begin{aligned} y &= 1 \\ 7x - 7y &= -7 \end{aligned}$$

$$125) \begin{aligned} y &= 9 \\ -3x - 3y &= -21 \end{aligned}$$

$$126) \begin{aligned} -2x + 3y &= 10 \\ y &= 8 \end{aligned}$$

$$127) \begin{aligned} y &= -4 \\ 3x - y &= 28 \end{aligned}$$

$$128) \begin{aligned} -x + 4y &= -22 \\ y &= -4 \end{aligned}$$

$$\begin{aligned} 129) \quad & -2x - y = -9 \\ & y = 7 \end{aligned}$$

$$\begin{aligned} 130) \quad & y = 3 \\ & -6x + 4y = -12 \end{aligned}$$

$$\begin{aligned} 131) \quad & -7x + 5y = 17 \\ & y = -2x \end{aligned}$$

$$\begin{aligned} 132) \quad & y = -7x \\ & -8x - y = -7 \end{aligned}$$

$$\begin{aligned} 133) \quad & -10x + 8y = 4 \\ & y = -7 \end{aligned}$$

$$\begin{aligned} 134) \quad & y = 1 \\ & 3x - 7y = 17 \end{aligned}$$

$$\begin{aligned} 135) \quad & y = -1 \\ & 9x + 2y = 25 \end{aligned}$$

$$\begin{aligned} 136) \quad & y = 7 \\ & -x - 2y = -6 \end{aligned}$$

$$\begin{aligned} 137) \quad & 7x - y = 1 \\ & y = 6 \end{aligned}$$

$$\begin{aligned} 138) \quad & y = -5 \\ & 3x + 5y = -4 \end{aligned}$$

$$\begin{aligned} 139) \quad & 3x + 10y = 15 \\ & y = 0 \end{aligned}$$

$$\begin{aligned} 140) \quad & y = 5 \\ & -10x + 8y = -20 \end{aligned}$$

$$\begin{aligned} 141) \quad & 9x - 9y = 9 \\ & y = 3 \end{aligned}$$

$$\begin{aligned} 142) \quad & y = x \\ & 2x + 5y = -14 \end{aligned}$$

$$\begin{aligned} 143) \quad & y = 1 \\ & -2x + 3y = 19 \end{aligned}$$

$$\begin{aligned} 144) \quad & y = 2 \\ & -7x + 8y = 30 \end{aligned}$$

$$\begin{aligned} 145) \quad & -7x - 4y = -17 \\ & y = -8 \end{aligned}$$

$$\begin{aligned} 146) \quad & -6x - 7y = -30 \\ & y = 0 \end{aligned}$$

$$\begin{aligned} 147) \quad & y = -1 \\ & -5x - 4y = 14 \end{aligned}$$

$$\begin{aligned} 148) \quad & y = 7 \\ & 10x - 5y = -15 \end{aligned}$$

$$\begin{aligned} 149) \quad & -4x + 5y = 18 \\ & y = -2 \end{aligned}$$

$$\begin{aligned} 150) \quad & 10x - 2y = -14 \\ & y = -3 \end{aligned}$$

$$\begin{aligned} 151) \quad & -x + 7y = -24 \\ & y = x \end{aligned}$$

$$\begin{aligned} 152) \quad & -9x - 8y = -3 \\ & y = -3 \end{aligned}$$

$$\begin{aligned} 153) \quad & 9x + 2y = 15 \\ & y = -6x \end{aligned}$$

$$\begin{aligned} 154) \quad & -x - 2y = 12 \\ & y = -6 \end{aligned}$$

$$155) \begin{aligned} 2x - y &= 4 \\ y &= x \end{aligned}$$

$$156) \begin{aligned} 9x - 10y &= -5 \\ y &= 5 \end{aligned}$$

$$157) \begin{aligned} y &= -10 \\ -5x - 4y &= -10 \end{aligned}$$

$$158) \begin{aligned} -5x - 3y &= 17 \\ y &= -4 \end{aligned}$$

$$159) \begin{aligned} y &= 1 \\ -10x - 7y &= 23 \end{aligned}$$

$$160) \begin{aligned} -x - y &= -14 \\ y &= 10 \end{aligned}$$

$$161) \begin{aligned} y &= -2x \\ -8x + 5y &= 0 \end{aligned}$$

$$162) \begin{aligned} 5x + 7y &= -9 \\ y &= -7 \end{aligned}$$

$$163) \begin{aligned} y &= -8 \\ 3x + 4y &= -14 \end{aligned}$$

$$164) \begin{aligned} y &= -3x \\ -4x - y &= -8 \end{aligned}$$

$$165) \begin{aligned} y &= -2x \\ -5x - 3y &= 7 \end{aligned}$$

$$166) \begin{aligned} 5x - 5y &= -15 \\ y &= 5 \end{aligned}$$

$$167) \begin{aligned} 4x + 10y &= 20 \\ y &= 6 \end{aligned}$$

$$168) \begin{aligned} y &= 5x \\ 8x - 3y &= 14 \end{aligned}$$

$$169) \begin{aligned} 2x - 6y &= 12 \\ y &= -3 \end{aligned}$$

$$170) \begin{aligned} -6x - y &= -21 \\ y &= x \end{aligned}$$

$$171) \begin{aligned} 2x + 5y &= 16 \\ y &= 4 \end{aligned}$$

$$172) \begin{aligned} y &= -8 \\ -3x - 2y &= 19 \end{aligned}$$

$$173) \begin{aligned} 10x - 5y &= 25 \\ y &= 7x \end{aligned}$$

$$174) \begin{aligned} y &= -2x \\ 2x - 5y &= 12 \end{aligned}$$

$$175) \begin{aligned} y &= -2x \\ -2x - 6y &= 0 \end{aligned}$$

$$176) \begin{aligned} 7x - 2y &= 26 \\ y &= 10x \end{aligned}$$

$$177) \begin{aligned} y &= -3x \\ 6x + 2y &= 0 \end{aligned}$$

$$178) \begin{aligned} 2x - 4y &= 20 \\ y &= -9 \end{aligned}$$

$$179) \begin{aligned} 5x + 5y &= 5 \\ y &= 10 \end{aligned}$$

$$180) \begin{aligned} -6x - 7y &= 27 \\ y &= 3x \end{aligned}$$

$$181) \begin{aligned} y &= 0 \\ -9x - 2y &= 9 \end{aligned}$$

$$182) \begin{aligned} -3x - 8y &= 0 \\ y &= -5x \end{aligned}$$

$$183) \begin{aligned} y &= 5 \\ -2x - 4y &= -28 \end{aligned}$$

$$184) \begin{aligned} y &= -3x \\ 8x + 3y &= 6 \end{aligned}$$

$$185) \begin{aligned} y &= 0 \\ -x + 9y &= -9 \end{aligned}$$

$$186) \begin{aligned} y &= -7 \\ -3x - 2y &= -4 \end{aligned}$$

$$187) \begin{aligned} -6x - 4y &= 2 \\ y &= -2x \end{aligned}$$

$$188) \begin{aligned} 9x - 4y &= -8 \\ y &= 2x \end{aligned}$$

$$189) \begin{aligned} y &= -4 \\ 4x - 6y &= -8 \end{aligned}$$

$$190) \begin{aligned} y &= 2 \\ 5x + 8y &= 1 \end{aligned}$$

$$191) \begin{aligned} -5x - 5y &= 15 \\ y &= -4x \end{aligned}$$

$$192) \begin{aligned} 6x - 3y &= 0 \\ y &= 10x \end{aligned}$$

$$193) \begin{aligned} 7x + 6y &= -3 \\ y &= 3 \end{aligned}$$

$$194) \begin{aligned} -4x - 3y &= 5 \\ y &= 1 \end{aligned}$$

$$195) \begin{aligned} -x - 4y &= 13 \\ y &= -2 \end{aligned}$$

$$196) \begin{aligned} y &= 4x \\ 10x - 3y &= 4 \end{aligned}$$

$$197) \begin{aligned} y &= x \\ -3x + 3y &= 0 \end{aligned}$$

$$198) \begin{aligned} 10x + 2y &= -4 \\ y &= -7 \end{aligned}$$

$$199) \begin{aligned} y &= -3 \\ -2x + 4y &= 8 \end{aligned}$$

$$200) \begin{aligned} 2x + 2y &= 10 \\ y &= -1 \end{aligned}$$

$$201) \begin{aligned} 5x + 10y &= -25 \\ y &= 4 \end{aligned}$$

$$202) \begin{aligned} 5x - 4y &= -12 \\ y &= 3 \end{aligned}$$

$$203) \begin{aligned} y &= 12x \\ 11x - 4y &= -37 \end{aligned}$$

$$204) \begin{aligned} y &= -14x \\ -9x - 9y &= 0 \end{aligned}$$

$$205) \begin{aligned} -10x - 9y &= -28 \\ y &= 2 \end{aligned}$$

$$206) \begin{aligned} y &= -3 \\ -13x - 5y &= -24 \end{aligned}$$

$$\begin{aligned} 207) \quad & -6x - 5y = -39 \\ & y = -9x \end{aligned}$$

$$\begin{aligned} 208) \quad & y = 8 \\ & 3x - 2y = -22 \end{aligned}$$

$$\begin{aligned} 209) \quad & y = 12 \\ & -8x - 9y = -36 \end{aligned}$$

$$\begin{aligned} 210) \quad & -11x + 7y = -20 \\ & y = 3x \end{aligned}$$

$$\begin{aligned} 211) \quad & 14x - 14y = 0 \\ & y = 2 \end{aligned}$$

$$\begin{aligned} 212) \quad & y = -9 \\ & 4x - 2y = 10 \end{aligned}$$

$$\begin{aligned} 213) \quad & y = 2 \\ & -6x + 6y = 24 \end{aligned}$$

$$\begin{aligned} 214) \quad & y = -3 \\ & -5x - 7y = 26 \end{aligned}$$

$$\begin{aligned} 215) \quad & y = -2x \\ & 9x + 3y = -24 \end{aligned}$$

$$\begin{aligned} 216) \quad & 4x - 6y = 16 \\ & y = -12 \end{aligned}$$

$$\begin{aligned} 217) \quad & y = 13 \\ & -5x + 2y = -34 \end{aligned}$$

$$\begin{aligned} 218) \quad & y = 8x \\ & 4x + 11y = 0 \end{aligned}$$

$$\begin{aligned} 219) \quad & -4x - 6y = -42 \\ & y = 3 \end{aligned}$$

$$\begin{aligned} 220) \quad & 6x + 9y = 33 \\ & y = -5 \end{aligned}$$

$$\begin{aligned} 221) \quad & y = 10x \\ & 11x - 5y = 39 \end{aligned}$$

$$\begin{aligned} 222) \quad & y = -6x \\ & -6x - 3y = -36 \end{aligned}$$

$$\begin{aligned} 223) \quad & y = -4 \\ & 8x - 2y = 0 \end{aligned}$$

$$\begin{aligned} 224) \quad & y = x \\ & 12x - 11y = -10 \end{aligned}$$

$$\begin{aligned} 225) \quad & y = -2x \\ & -7x - 2y = -30 \end{aligned}$$

$$\begin{aligned} 226) \quad & -2x + 7y = -3 \\ & y = 3 \end{aligned}$$

$$\begin{aligned} 227) \quad & y = -2 \\ & -3x - 11y = -8 \end{aligned}$$

$$\begin{aligned} 228) \quad & 6x - y = -37 \\ & y = 7 \end{aligned}$$

$$\begin{aligned} 229) \quad & -4x + 3y = -28 \\ & y = 0 \end{aligned}$$

$$\begin{aligned} 230) \quad & -8x - 3y = -38 \\ & y = 10 \end{aligned}$$

$$\begin{aligned} 231) \quad & y = -9 \\ & -13x + 7y = 41 \end{aligned}$$

$$\begin{aligned} 232) \quad & y = -5 \\ & 12x + 2y = -22 \end{aligned}$$

$$\begin{aligned} 233) \quad & y = -11x \\ & -22x - 2y = 0 \end{aligned}$$

$$\begin{aligned} 234) \quad & 6x + 3y = -13 \\ & y = -2x \end{aligned}$$

$$\begin{aligned} 235) \quad & y = -12 \\ & -4x - 4y = 8 \end{aligned}$$

$$\begin{aligned} 236) \quad & -5x - 2y = 0 \\ & y = -9x \end{aligned}$$

$$\begin{aligned} 237) \quad & y = 5 \\ & 8x - 5y = -9 \end{aligned}$$

$$\begin{aligned} 238) \quad & -9x - 5y = 24 \\ & y = -3x \end{aligned}$$

$$\begin{aligned} 239) \quad & y = 2x \\ & -5x + 7y = -9 \end{aligned}$$

$$\begin{aligned} 240) \quad & y = -7 \\ & 14x + 4y = -14 \end{aligned}$$

$$\begin{aligned} 241) \quad & y = x \\ & -5x + 8y = -36 \end{aligned}$$

$$\begin{aligned} 242) \quad & y = 6x \\ & 10x + 12y = 0 \end{aligned}$$

$$\begin{aligned} 243) \quad & y = -6 \\ & 10x - 8y = -22 \end{aligned}$$

$$\begin{aligned} 244) \quad & -16x + 2y = 13 \\ & y = 8x \end{aligned}$$

$$\begin{aligned} 245) \quad & -13x - 10y = -37 \\ & y = -8 \end{aligned}$$

$$\begin{aligned} 246) \quad & -6x + 9y = 21 \\ & y = 7 \end{aligned}$$

$$\begin{aligned} 247) \quad & -6x - y = 33 \\ & y = 9 \end{aligned}$$

$$\begin{aligned} 248) \quad & y = 9 \\ & 4x + 3y = -1 \end{aligned}$$

$$\begin{aligned} 249) \quad & y = 14x \\ & 13x + 2y = 0 \end{aligned}$$

$$\begin{aligned} 250) \quad & 13x - 4y = -37 \\ & y = 6 \end{aligned}$$

$$\begin{aligned} 251) \quad & y = -9 \\ & 5x + 7y = -28 \end{aligned}$$

$$\begin{aligned} 252) \quad & -4x + 4y = 20 \\ & y = -1 \end{aligned}$$

$$\begin{aligned} 253) \quad & 5x - 12y = -41 \\ & y = 8 \end{aligned}$$

$$\begin{aligned} 254) \quad & -8x - 2y = -40 \\ & y = 4 \end{aligned}$$

$$\begin{aligned} 255) \quad & -7x + 11y = 26 \\ & y = 10 \end{aligned}$$

$$\begin{aligned} 256) \quad & y = 4x \\ & -13x + 12y = -35 \end{aligned}$$

$$\begin{aligned} 257) \quad & 11x - 5y = 0 \\ & y = -3x \end{aligned}$$

$$\begin{aligned} 258) \quad & 7x + 6y = -39 \\ & y = -10 \end{aligned}$$

$$259) \begin{aligned} 5x + 8y &= 34 \\ y &= 8 \end{aligned}$$

$$260) \begin{aligned} 11x + 6y &= -31 \\ y &= -7x \end{aligned}$$

$$261) \begin{aligned} -6x + 8y &= -34 \\ y &= 5x \end{aligned}$$

$$262) \begin{aligned} -x - 9y &= 5 \\ y &= 0 \end{aligned}$$

$$263) \begin{aligned} -5x - 3y &= 29 \\ y &= 12 \end{aligned}$$

$$264) \begin{aligned} -9x + 6y &= -27 \\ y &= 2x \end{aligned}$$

$$265) \begin{aligned} y &= -5 \\ -6x + 10y &= -8 \end{aligned}$$

$$266) \begin{aligned} y &= -6x \\ 7x - 10y &= 0 \end{aligned}$$

$$267) \begin{aligned} y &= -4 \\ -7x - 6y &= -11 \end{aligned}$$

$$268) \begin{aligned} 12x + 3y &= -3 \\ y &= -5x \end{aligned}$$

$$269) \begin{aligned} 13x + 7y &= -7 \\ y &= -1 \end{aligned}$$

$$270) \begin{aligned} -12x - 10y &= 4 \\ y &= 2 \end{aligned}$$

$$271) \begin{aligned} -3x - 9y &= 24 \\ y &= 0 \end{aligned}$$

$$272) \begin{aligned} y &= x \\ 5x - 9y &= -4 \end{aligned}$$

$$273) \begin{aligned} 4x - 7y &= -40 \\ y &= 8 \end{aligned}$$

$$274) \begin{aligned} y &= 1 \\ 4x - 5y &= 27 \end{aligned}$$

$$275) \begin{aligned} 4x - y &= 6 \\ y &= -14 \end{aligned}$$

$$276) \begin{aligned} y &= -7 \\ 2x - 6y &= 38 \end{aligned}$$

$$277) \begin{aligned} y &= 13 \\ 4x - 5y &= -29 \end{aligned}$$

$$278) \begin{aligned} 27x + 3y &= 0 \\ y &= -9x \end{aligned}$$

$$279) \begin{aligned} -2x - 6y &= 8 \\ y &= -3 \end{aligned}$$

$$280) \begin{aligned} y &= 0 \\ 3x + 11y &= -3 \end{aligned}$$

$$281) \begin{aligned} y &= 2x \\ -8x + 2y &= -4 \end{aligned}$$

$$282) \begin{aligned} 6x + 5y &= 0 \\ y &= -3x \end{aligned}$$

$$283) \begin{aligned} y &= x \\ -13x + 10y &= -3 \end{aligned}$$

$$284) \begin{aligned} y &= 11 \\ 3x + 4y &= 26 \end{aligned}$$

$$\begin{aligned} 285) \quad & y = 2 \\ & -7x + 8y = 37 \end{aligned}$$

$$\begin{aligned} 286) \quad & y = 4 \\ & -5x + 8y = 12 \end{aligned}$$

$$\begin{aligned} 287) \quad & y = -2 \\ & 3x - 6y = -3 \end{aligned}$$

$$\begin{aligned} 288) \quad & -2x + 7y = -35 \\ & y = -5 \end{aligned}$$

$$\begin{aligned} 289) \quad & y = 7 \\ & -4x - 4y = -20 \end{aligned}$$

$$\begin{aligned} 290) \quad & 7x + 4y = -10 \\ & y = 1 \end{aligned}$$

$$\begin{aligned} 291) \quad & -8x + 14y = 16 \\ & y = -4 \end{aligned}$$

$$\begin{aligned} 292) \quad & -8x - 2y = 14 \\ & y = 3x \end{aligned}$$

$$\begin{aligned} 293) \quad & y = 10 \\ & -14x + 13y = -24 \end{aligned}$$

$$\begin{aligned} 294) \quad & y = -1 \\ & 4x - 10y = 30 \end{aligned}$$

$$\begin{aligned} 295) \quad & y = 1 \\ & -3x + 12y = 30 \end{aligned}$$

$$\begin{aligned} 296) \quad & y = -13 \\ & -9x - 8y = -13 \end{aligned}$$

$$\begin{aligned} 297) \quad & y = -6 \\ & -4x - y = 18 \end{aligned}$$

$$\begin{aligned} 298) \quad & -42x + 3y = -3 \\ & y = 14x \end{aligned}$$

$$\begin{aligned} 299) \quad & -3x - 11y = 0 \\ & y = 13x \end{aligned}$$

$$\begin{aligned} 300) \quad & -8x - 9y = 20 \\ & y = -12 \end{aligned}$$

$$\begin{aligned} 301) \quad & y = -12 \\ & 4x + 5y = -16 \end{aligned}$$

$$\begin{aligned} 302) \quad & -3x - 6y = -18 \\ & y = 5 \end{aligned}$$

$$\begin{aligned} 303) \quad & 3x - 9y = -54 \\ & y = 4 \end{aligned}$$

$$\begin{aligned} 304) \quad & y = 7 \\ & -11x + 17y = -35 \end{aligned}$$

$$\begin{aligned} 305) \quad & y = -10 \\ & -10x + 15y = -60 \end{aligned}$$

$$\begin{aligned} 306) \quad & -18x + 5y = -37 \\ & y = 7 \end{aligned}$$

$$\begin{aligned} 307) \quad & -18x - 13y = -12 \\ & y = -6 \end{aligned}$$

$$\begin{aligned} 308) \quad & -9x - 5y = 59 \\ & y = -19 \end{aligned}$$

$$\begin{aligned} 309) \quad & y = 7 \\ & -4x + 9y = 47 \end{aligned}$$

$$\begin{aligned} 310) \quad & 7x - 9y = -35 \\ & y = 0 \end{aligned}$$

$$311) \begin{aligned} y &= 1 \\ -11x - 19y &= -19 \end{aligned}$$

$$312) \begin{aligned} y &= 18 \\ -16x + 10y &= 20 \end{aligned}$$

$$313) \begin{aligned} y &= -18x \\ 8x - 3y &= 0 \end{aligned}$$

$$314) \begin{aligned} y &= 8x \\ -7x + 2y &= 54 \end{aligned}$$

$$315) \begin{aligned} -11x - 17y &= 49 \\ y &= -10 \end{aligned}$$

$$316) \begin{aligned} -15x - 6y &= 27 \\ y &= -2x \end{aligned}$$

$$317) \begin{aligned} y &= -10 \\ -10x - 6y &= -40 \end{aligned}$$

$$318) \begin{aligned} y &= -3 \\ -7x - 3y &= -26 \end{aligned}$$

$$319) \begin{aligned} y &= -5x \\ 10x + 3y &= -40 \end{aligned}$$

$$320) \begin{aligned} -6x + 2y &= -22 \\ y &= 4 \end{aligned}$$

$$321) \begin{aligned} 2x - 7y &= 8 \\ y &= 0 \end{aligned}$$

$$322) \begin{aligned} y &= -12 \\ 9x - 15y &= 27 \end{aligned}$$

$$323) \begin{aligned} -6x + 10y &= 36 \\ y &= 12 \end{aligned}$$

$$324) \begin{aligned} 10x + 14y &= 8 \\ y &= -13 \end{aligned}$$

$$325) \begin{aligned} -x - 2y &= -38 \\ y &= 9x \end{aligned}$$

$$326) \begin{aligned} y &= -4 \\ 6x - 5y &= -16 \end{aligned}$$

$$327) \begin{aligned} y &= -10 \\ 8x + 6y &= 12 \end{aligned}$$

$$328) \begin{aligned} y &= -6x \\ 11x - 6y &= 47 \end{aligned}$$

$$329) \begin{aligned} -10x - 2y &= -16 \\ y &= -5x \end{aligned}$$

$$330) \begin{aligned} y &= -5 \\ -17x + 15y &= 44 \end{aligned}$$

$$331) \begin{aligned} -5x + 13y &= -21 \\ y &= 3 \end{aligned}$$

$$332) \begin{aligned} y &= 2 \\ -19x - 2y &= 15 \end{aligned}$$

$$333) \begin{aligned} 2x - 19y &= -40 \\ y &= -2x \end{aligned}$$

$$334) \begin{aligned} y &= 6x \\ 9x - 2y &= 33 \end{aligned}$$

$$335) \begin{aligned} y &= 2 \\ -19x - 17y &= 23 \end{aligned}$$

$$336) \begin{aligned} y &= -2 \\ 9x + 9y &= -9 \end{aligned}$$

$$\begin{aligned} 337) \quad & y = -11 \\ & 10x + 13y = 47 \end{aligned}$$

$$\begin{aligned} 339) \quad & -4x - y = 20 \\ & y = -2x \end{aligned}$$

$$\begin{aligned} 341) \quad & 17x - 2y = 55 \\ & y = 6x \end{aligned}$$

$$\begin{aligned} 343) \quad & 19x + 4y = 55 \\ & y = 9x \end{aligned}$$

$$\begin{aligned} 345) \quad & y = -7x \\ & 17x + 4y = 44 \end{aligned}$$

$$\begin{aligned} 347) \quad & -9x + 3y = 60 \\ & y = -2x \end{aligned}$$

$$\begin{aligned} 349) \quad & y = -1 \\ & -6x + 6y = 60 \end{aligned}$$

$$\begin{aligned} 351) \quad & y = 15 \\ & 8x + 7y = -23 \end{aligned}$$

$$\begin{aligned} 353) \quad & -11x - 4y = 35 \\ & y = 6x \end{aligned}$$

$$\begin{aligned} 355) \quad & 14x - 14y = 28 \\ & y = -7 \end{aligned}$$

$$\begin{aligned} 357) \quad & y = 10 \\ & 5x + 12y = 45 \end{aligned}$$

$$\begin{aligned} 359) \quad & y = 20 \\ & 8x - 4y = -48 \end{aligned}$$

$$\begin{aligned} 361) \quad & y = 0 \\ & -7x - 2y = -7 \end{aligned}$$

$$\begin{aligned} 338) \quad & -5x - y = 23 \\ & y = 2 \end{aligned}$$

$$\begin{aligned} 340) \quad & -3x + 5y = 3 \\ & y = -3 \end{aligned}$$

$$\begin{aligned} 342) \quad & y = -5 \\ & 10x + 2y = 0 \end{aligned}$$

$$\begin{aligned} 344) \quad & -5x - 2y = 29 \\ & y = -2 \end{aligned}$$

$$\begin{aligned} 346) \quad & y = 8 \\ & 15x - 4y = -17 \end{aligned}$$

$$\begin{aligned} 348) \quad & y = 4x \\ & -8x - 6y = 0 \end{aligned}$$

$$\begin{aligned} 350) \quad & -18x + 9y = 18 \\ & y = 20 \end{aligned}$$

$$\begin{aligned} 352) \quad & y = 5 \\ & -19x + 14y = -44 \end{aligned}$$

$$\begin{aligned} 354) \quad & y = 15 \\ & -17x - 11y = 56 \end{aligned}$$

$$\begin{aligned} 356) \quad & y = -8x \\ & 17x + 20y = 0 \end{aligned}$$

$$\begin{aligned} 358) \quad & y = 9 \\ & 6x - 4y = 54 \end{aligned}$$

$$\begin{aligned} 360) \quad & y = 1 \\ & -6x + 9y = 9 \end{aligned}$$

$$\begin{aligned} 362) \quad & y = 11 \\ & -x - y = -13 \end{aligned}$$

$$363) \begin{aligned} y &= -1 \\ 7x + 20y &= -48 \end{aligned}$$

$$364) \begin{aligned} 3x - 10y &= 8 \\ y &= 1 \end{aligned}$$

$$365) \begin{aligned} y &= 2 \\ -6x - 14y &= 32 \end{aligned}$$

$$366) \begin{aligned} 5x + 6y &= 5 \\ y &= 5 \end{aligned}$$

$$367) \begin{aligned} y &= 18 \\ 17x - 4y &= -38 \end{aligned}$$

$$368) \begin{aligned} y &= 12 \\ 19x - 17y &= -14 \end{aligned}$$

$$369) \begin{aligned} y &= -6 \\ -10x - 17y &= -48 \end{aligned}$$

$$370) \begin{aligned} -18x + 17y &= 18 \\ y &= -18 \end{aligned}$$

$$371) \begin{aligned} -4x - 20y &= -20 \\ y &= 5 \end{aligned}$$

$$372) \begin{aligned} 10x - 7y &= 31 \\ y &= -3x \end{aligned}$$

$$373) \begin{aligned} 3x + 14y &= -44 \\ y &= -7 \end{aligned}$$

$$374) \begin{aligned} y &= 8 \\ -14x + 19y &= 40 \end{aligned}$$

$$375) \begin{aligned} 11x + 13y &= 40 \\ y &= 9 \end{aligned}$$

$$376) \begin{aligned} y &= -19 \\ 14x + 12y &= 10 \end{aligned}$$

$$377) \begin{aligned} y &= 0 \\ -7x - 9y &= 14 \end{aligned}$$

$$378) \begin{aligned} 10x + 14y &= -42 \\ y &= -13 \end{aligned}$$

$$379) \begin{aligned} y &= -8x \\ 7x + 9y &= 0 \end{aligned}$$

$$380) \begin{aligned} -17x + 19y &= -27 \\ y &= -5 \end{aligned}$$

$$381) \begin{aligned} 6x - 14y &= 0 \\ y &= -2x \end{aligned}$$

$$382) \begin{aligned} 24x - 3y &= 3 \\ y &= 8x \end{aligned}$$

$$383) \begin{aligned} 10x + 7y &= 45 \\ y &= -5 \end{aligned}$$

$$384) \begin{aligned} y &= 8 \\ 17x - 14y &= -10 \end{aligned}$$

$$385) \begin{aligned} -2x + 4y &= -8 \\ y &= 8 \end{aligned}$$

$$386) \begin{aligned} y &= -2 \\ 9x - 14y &= 55 \end{aligned}$$

$$387) \begin{aligned} y &= 19 \\ 17x + 8y &= -35 \end{aligned}$$

$$388) \begin{aligned} y &= -14x \\ -16x - 4y &= -40 \end{aligned}$$

$$\begin{aligned} 389) \quad & y = -17x \\ & 9x + 13y = 0 \end{aligned}$$

$$\begin{aligned} 390) \quad & 10x + 3y = 14 \\ & y = -3x \end{aligned}$$

$$\begin{aligned} 391) \quad & 8x + 15y = -29 \\ & y = 5 \end{aligned}$$

$$\begin{aligned} 392) \quad & y = 14 \\ & 7x + 2y = 28 \end{aligned}$$

$$\begin{aligned} 393) \quad & y = 3 \\ & -2x - 8y = -4 \end{aligned}$$

$$\begin{aligned} 394) \quad & 18x - 17y = 30 \\ & y = 12 \end{aligned}$$

$$\begin{aligned} 395) \quad & y = 3 \\ & 6x + 16y = 42 \end{aligned}$$

$$\begin{aligned} 396) \quad & 6x - 3y = -11 \\ & y = 2x \end{aligned}$$

$$\begin{aligned} 397) \quad & y = 2 \\ & -10x - 8y = 34 \end{aligned}$$

$$\begin{aligned} 398) \quad & 10x + 2y = 54 \\ & y = 2 \end{aligned}$$

$$\begin{aligned} 399) \quad & -16x - 13y = 40 \\ & y = 8 \end{aligned}$$

$$\begin{aligned} 400) \quad & y = -12 \\ & 14x - 11y = 34 \end{aligned}$$

$$\begin{aligned} 401) \quad & -34x + 33y = 0 \\ & y = 41x \end{aligned}$$

$$\begin{aligned} 402) \quad & y = -34 \\ & -49x + 23y = 2 \end{aligned}$$

$$\begin{aligned} 403) \quad & y = -32 \\ & -10x - 2y = -6 \end{aligned}$$

$$\begin{aligned} 404) \quad & 11x - 6y = -45 \\ & y = -42 \end{aligned}$$

$$\begin{aligned} 405) \quad & y = -6 \\ & 4x + 23y = -114 \end{aligned}$$

$$\begin{aligned} 406) \quad & y = -16x \\ & 48x + 3y = -31 \end{aligned}$$

$$\begin{aligned} 407) \quad & y = -18x \\ & -19x - y = -36 \end{aligned}$$

$$\begin{aligned} 408) \quad & -50x - 18y = -50 \\ & y = 50 \end{aligned}$$

$$\begin{aligned} 409) \quad & -6x - 3y = 87 \\ & y = 15 \end{aligned}$$

$$\begin{aligned} 410) \quad & y = 47x \\ & 36x + 42y = 0 \end{aligned}$$

$$\begin{aligned} 411) \quad & y = 21 \\ & 16x - 16y = 128 \end{aligned}$$

$$\begin{aligned} 412) \quad & 37x + 32y = 131 \\ & y = -4 \end{aligned}$$

$$\begin{aligned} 413) \quad & -24x + 17y = -57 \\ & y = 39 \end{aligned}$$

$$\begin{aligned} 414) \quad & 6x - 15y = 99 \\ & y = -15 \end{aligned}$$

$$\begin{aligned} 415) \quad & -14x - y = -80 \\ & y = 26x \end{aligned}$$

$$\begin{aligned} 416) \quad & 17x - 6y = 104 \\ & y = 45 \end{aligned}$$

$$\begin{aligned} 417) \quad & -42x + 24y = 132 \\ & y = -12 \end{aligned}$$

$$\begin{aligned} 418) \quad & y = 14 \\ & 42x - 26y = -28 \end{aligned}$$

$$\begin{aligned} 419) \quad & y = 4x \\ & -22x + 6y = 78 \end{aligned}$$

$$\begin{aligned} 420) \quad & y = 14 \\ & 12x - 30y = 108 \end{aligned}$$

$$\begin{aligned} 421) \quad & y = -20 \\ & -x + 7y = -92 \end{aligned}$$

$$\begin{aligned} 422) \quad & y = 24 \\ & 5x + 7y = 38 \end{aligned}$$

$$\begin{aligned} 423) \quad & y = 5 \\ & 16x + 40y = 24 \end{aligned}$$

$$\begin{aligned} 424) \quad & 31x + 13y = -83 \\ & y = -4 \end{aligned}$$

$$\begin{aligned} 425) \quad & y = -24 \\ & 45x - 50y = 120 \end{aligned}$$

$$\begin{aligned} 426) \quad & y = 5x \\ & -38x + 8y = 70 \end{aligned}$$

$$\begin{aligned} 427) \quad & y = 6 \\ & -8x - 43y = -122 \end{aligned}$$

$$\begin{aligned} 428) \quad & y = -1 \\ & -10x - 28y = -62 \end{aligned}$$

$$\begin{aligned} 429) \quad & y = -37 \\ & 3x + 2y = -71 \end{aligned}$$

$$\begin{aligned} 430) \quad & y = -27 \\ & 33x + 5y = -135 \end{aligned}$$

$$\begin{aligned} 431) \quad & 30x + 30y = 0 \\ & y = 2 \end{aligned}$$

$$\begin{aligned} 432) \quad & y = -2x \\ & -7x + 8y = -92 \end{aligned}$$

$$\begin{aligned} 433) \quad & y = -18 \\ & 38x + 39y = 96 \end{aligned}$$

$$\begin{aligned} 434) \quad & 30x + 22y = 134 \\ & y = 32 \end{aligned}$$

$$\begin{aligned} 435) \quad & y = 45x \\ & 36x - y = -126 \end{aligned}$$

$$\begin{aligned} 436) \quad & 34x - 27y = -81 \\ & y = 37 \end{aligned}$$

$$\begin{aligned} 437) \quad & y = -26x \\ & -35x - y = 126 \end{aligned}$$

$$\begin{aligned} 438) \quad & -28x + 11y = 55 \\ & y = 33 \end{aligned}$$

$$\begin{aligned} 439) \quad & -11x - 13y = 136 \\ & y = -13 \end{aligned}$$

$$\begin{aligned} 440) \quad & 19x + 21y = -62 \\ & y = -31 \end{aligned}$$

$$441) \begin{aligned} y &= 46x \\ 19x - 47y &= 0 \end{aligned}$$

$$442) \begin{aligned} -27x + 37y &= -43 \\ y &= -34 \end{aligned}$$

$$443) \begin{aligned} 13x + 28y &= 148 \\ y &= 9 \end{aligned}$$

$$444) \begin{aligned} y &= -14 \\ -13x + 4y &= -82 \end{aligned}$$

$$445) \begin{aligned} y &= 47 \\ 8x - 7y &= 31 \end{aligned}$$

$$446) \begin{aligned} 6x + 40y &= -110 \\ y &= -8 \end{aligned}$$

$$447) \begin{aligned} 28x - 6y &= 150 \\ y &= -25 \end{aligned}$$

$$448) \begin{aligned} y &= 15x \\ -6x + 5y &= -69 \end{aligned}$$

$$449) \begin{aligned} -18x - 23y &= 123 \\ y &= -3 \end{aligned}$$

$$450) \begin{aligned} y &= 6 \\ 2x - 41y &= -148 \end{aligned}$$

$$451) \begin{aligned} -26x - 11y &= 57 \\ y &= 35 \end{aligned}$$

$$452) \begin{aligned} 12x - 49y &= 8 \\ y &= 4 \end{aligned}$$

$$453) \begin{aligned} -43x + 18y &= -126 \\ y &= 2x \end{aligned}$$

$$454) \begin{aligned} y &= 2 \\ -32x + 39y &= -82 \end{aligned}$$

$$455) \begin{aligned} y &= 42 \\ 21x + 22y &= 147 \end{aligned}$$

$$456) \begin{aligned} y &= 7 \\ 6x + 34y &= 130 \end{aligned}$$

$$457) \begin{aligned} y &= -38 \\ 30x - 18y &= 24 \end{aligned}$$

$$458) \begin{aligned} y &= -1 \\ -2x + 44y &= -82 \end{aligned}$$

$$459) \begin{aligned} y &= -10 \\ 20x - 35y &= -10 \end{aligned}$$

$$460) \begin{aligned} -x + 4y &= 129 \\ y &= x \end{aligned}$$

$$461) \begin{aligned} 5x - 18y &= -2 \\ y &= 14 \end{aligned}$$

$$462) \begin{aligned} y &= 2x \\ 11x + 8y &= -81 \end{aligned}$$

$$463) \begin{aligned} -2x + 45y &= 103 \\ y &= 3 \end{aligned}$$

$$464) \begin{aligned} y &= -26 \\ 13x - 22y &= -26 \end{aligned}$$

$$465) \begin{aligned} -2x + 19y &= 67 \\ y &= 1 \end{aligned}$$

$$466) \begin{aligned} -27x - 4y &= 12 \\ y &= -7x \end{aligned}$$

$$467) \begin{aligned} y &= 20 \\ 24x - 20y &= 32 \end{aligned}$$

$$468) \begin{aligned} -41x - y &= 136 \\ y &= -24x \end{aligned}$$

$$469) \begin{aligned} 4x + 12y &= -84 \\ y &= -12 \end{aligned}$$

$$470) \begin{aligned} -23x - 26y &= 43 \\ y &= -45 \end{aligned}$$

$$471) \begin{aligned} y &= 41 \\ 29x + 28y &= -99 \end{aligned}$$

$$472) \begin{aligned} y &= 41 \\ 16x - 18y &= -34 \end{aligned}$$

$$473) \begin{aligned} y &= 31x \\ 30x + 50y &= 0 \end{aligned}$$

$$474) \begin{aligned} -14x + 11y &= 17 \\ y &= -29 \end{aligned}$$

$$475) \begin{aligned} y &= -30x \\ 8x - 36y &= 0 \end{aligned}$$

$$476) \begin{aligned} y &= -7 \\ 38x - 49y &= 77 \end{aligned}$$

$$477) \begin{aligned} y &= -10 \\ 6x + 12y &= -108 \end{aligned}$$

$$478) \begin{aligned} y &= 4 \\ -19x + 40y &= 103 \end{aligned}$$

$$479) \begin{aligned} -5x + 7y &= 24 \\ y &= 12 \end{aligned}$$

$$480) \begin{aligned} -37x - 9y &= -124 \\ y &= 22 \end{aligned}$$

$$481) \begin{aligned} y &= -12 \\ -15x + 3y &= -21 \end{aligned}$$

$$482) \begin{aligned} 6x + 3y &= 0 \\ y &= -2x \end{aligned}$$

$$483) \begin{aligned} 7x + 15y &= -101 \\ y &= -24 \end{aligned}$$

$$484) \begin{aligned} y &= -5 \\ -29x - 31y &= 126 \end{aligned}$$

$$485) \begin{aligned} -43x + 14y &= -80 \\ y &= 25 \end{aligned}$$

$$486) \begin{aligned} -4x - 9y &= -130 \\ y &= -6 \end{aligned}$$

$$487) \begin{aligned} y &= 16x \\ 28x - 2y &= -120 \end{aligned}$$

$$488) \begin{aligned} y &= -4x \\ -8x - 2y &= 0 \end{aligned}$$

$$489) \begin{aligned} y &= 22 \\ 2x - 4y &= -56 \end{aligned}$$

$$490) \begin{aligned} 39x + 46y &= -25 \\ y &= 2 \end{aligned}$$

$$491) \begin{aligned} y &= 20 \\ -2x - y &= 12 \end{aligned}$$

$$492) \begin{aligned} y &= -4 \\ -35x + 49y &= 49 \end{aligned}$$

$$\begin{aligned} 493) \quad & 7x - 33y = 103 \\ & y = 6 \end{aligned}$$

$$\begin{aligned} 494) \quad & y = -5x \\ & 20x + 24y = -100 \end{aligned}$$

$$\begin{aligned} 495) \quad & y = 27 \\ & 11x + 2y = 76 \end{aligned}$$

$$\begin{aligned} 496) \quad & y = -2x \\ & 29x + 24y = 95 \end{aligned}$$

$$\begin{aligned} 497) \quad & y = -31 \\ & -8x - 10y = -58 \end{aligned}$$

$$\begin{aligned} 498) \quad & 6x - 3y = 147 \\ & y = -31 \end{aligned}$$

$$\begin{aligned} 499) \quad & y = -2x \\ & -2x - y = 1 \end{aligned}$$

$$\begin{aligned} 500) \quad & y = -37 \\ & 46x - 14y = 58 \end{aligned}$$

Systems of equations - substitution

Solve the system of equations by using substitution method:

- | | |
|--|---|
| 1) $y = -2x$
$-6x - y = 16$
$(-4, 8)$ | 2) $y = -5x$
$4x + 4y = -16$
$(1, -5)$ |
| 3) $-2x + 2y = 4$
$y = -4$
$(-6, -4)$ | 4) $5x + 2y = -17$
$y = -1$
$(-3, -1)$ |
| 5) $y = x$
$5x + 2y = 14$
$(2, 2)$ | 6) $y = x$
$6x - 2y = 12$
$(3, 3)$ |
| 7) $-3x + 6y = -18$
$y = 0$
$(6, 0)$ | 8) $-3x - 2y = 18$
$y = -6x$
$(2, -12)$ |
| 9) $y = x$
$3x - 6y = -3$
$(1, 1)$ | 10) $3x - 3y = 0$
$y = -2x$
$(0, 0)$ |
| 11) $-5x + 3y = 2$
$y = 2x$
$(2, 4)$ | 12) $-2x + 6y = 16$
$y = 4$
$(4, 4)$ |
| 13) $-3x + 4y = -10$
$y = -4$
$(-2, -4)$ | 14) $-4x - 4y = -8$
$y = -3$
$(5, -3)$ |
| 15) $-2x - 3y = -7$
$y = -1$
$(5, -1)$ | 16) $-5x + 4y = 13$
$y = -2x$
$(-1, 2)$ |
| 17) $3x - y = 18$
$y = 6x$
$(-6, -36)$ | 18) $-4x - 3y = 0$
$y = 5x$
$(0, 0)$ |
| 19) $y = 1$
$-2x - 5y = -11$
$(3, 1)$ | 20) $-3x + 2y = 12$
$y = 3$
$(-2, 3)$ |
| 21) $y = 2$
$-2x + 5y = 12$
$(-1, 2)$ | 22) $-x - 2y = -15$
$y = 2x$
$(3, 6)$ |
| 23) $-x - 3y = -7$
$y = 2$
$(1, 2)$ | 24) $-2x + 3y = 0$
$y = 3x$
$(0, 0)$ |

- 25) $y = 4$
 $4x + 6y = 0$
 $(-6, 4)$
- 27) $y = 0$
 $4x + 2y = -4$
 $(-1, 0)$
- 29) $y = -4$
 $6x + 2y = -8$
 $(0, -4)$
- 31) $y = 2x$
 $-x - 2y = 15$
 $(-3, -6)$
- 33) $2x + 3y = 1$
 $y = -3$
 $(5, -3)$
- 35) $2x - 6y = -16$
 $y = 4$
 $(4, 4)$
- 37) $y = 6x$
 $3x + 2y = 0$
 $(0, 0)$
- 39) $-x + 3y = 8$
 $y = x$
 $(4, 4)$
- 41) $y = 0$
 $4x + 6y = 0$
 $(0, 0)$
- 43) $y = 1$
 $-x - 3y = -2$
 $(-1, 1)$
- 45) $y = 2x$
 $4x - 4y = -16$
 $(4, 8)$
- 47) $5x + 2y = -3$
 $y = -2x$
 $(-3, 6)$
- 49) $4x - 5y = 12$
 $y = -4$
 $(-2, -4)$
- 26) $y = -3$
 $2x + 2y = -10$
 $(-2, -3)$
- 28) $y = 1$
 $-x - 5y = -8$
 $(3, 1)$
- 30) $-2x - 4y = 0$
 $y = 5x$
 $(0, 0)$
- 32) $y = 1$
 $-x + 2y = 4$
 $(-2, 1)$
- 34) $y = 3$
 $-3x - y = 0$
 $(-1, 3)$
- 36) $-3x + 2y = 0$
 $y = 3x$
 $(0, 0)$
- 38) $y = 5$
 $-x - y = -5$
 $(0, 5)$
- 40) $y = -5$
 $-x - y = 7$
 $(-2, -5)$
- 42) $-6x - y = -5$
 $y = -1$
 $(1, -1)$
- 44) $y = -2$
 $-x - 4y = 2$
 $(6, -2)$
- 46) $y = 5$
 $-6x - 6y = 0$
 $(-5, 5)$
- 48) $y = -4$
 $5x - 4y = -9$
 $(-5, -4)$
- 50) $6x + 3y = -18$
 $y = x$
 $(-2, -2)$

51) $5x - 2y = -12$

$y = -4$

$(-4, -4)$

53) $y = 2$

$-2x + 4y = 10$

$(-1, 2)$

55) $y = -4$

$-6x + 4y = -4$

$(-2, -4)$

57) $5x + 2y = -15$

$y = -4x$

$(5, -20)$

59) $y = 4$

$-5x - y = 6$

$(-2, 4)$

61) $y = 6$

$-4x - 4y = -16$

$(-2, 6)$

63) $5x + 6y = 13$

$y = -3x$

$(-1, 3)$

65) $y = 0$

$-5x - 4y = 10$

$(-2, 0)$

67) $y = 0$

$-6x - y = 6$

$(-1, 0)$

69) $4x - 4y = 8$

$y = 2x$

$(-2, -4)$

71) $y = 2x$

$5x + 5y = -15$

$(-1, -2)$

73) $-6x - 5y = 0$

$y = 3x$

$(0, 0)$

75) $y = 5$

$4x - 3y = -15$

$(0, 5)$

52) $y = 1$

$3x + 3y = 15$

$(4, 1)$

54) $y = 4$

$4x + 2y = 0$

$(-2, 4)$

56) $3x - 4y = -6$

$y = 6$

$(6, 6)$

58) $y = -5$

$-6x + 3y = -3$

$(-2, -5)$

60) $2x + 4y = -16$

$y = -3$

$(-2, -3)$

62) $y = -6$

$-3x + 2y = -3$

$(-3, -6)$

64) $6x + 3y = 3$

$y = 5$

$(-2, 5)$

66) $y = -4x$

$6x - y = 10$

$(1, -4)$

68) $-x - 4y = -8$

$y = 1$

$(4, 1)$

70) $-5x + 3y = -18$

$y = -1$

$(3, -1)$

72) $y = 1$

$-2x + 4y = -4$

$(4, 1)$

74) $y = -2$

$-x + 4y = -14$

$(6, -2)$

76) $y = -3$

$4x - y = 3$

$(0, -3)$

77) $2x - 4y = 0$

$y = -6x$

$(0, 0)$

79) $y = 3$

$-5x + 2y = -4$

$(2, 3)$

81) $-4x - 6y = 16$

$y = -4$

$(2, -4)$

83) $4x - 5y = 0$

$y = 6x$

$(0, 0)$

85) $-2x - 2y = -2$

$y = 5$

$(-4, 5)$

87) $y = 1$

$-4x + 3y = 11$

$(-2, 1)$

89) $y = 0$

$2x - 6y = -6$

$(-3, 0)$

91) $y = 2$

$-4x + 3y = 10$

$(-1, 2)$

93) $4x - 5y = 13$

$y = -5$

$(-3, -5)$

95) $y = 3$

$-6x + 6y = 0$

$(3, 3)$

97) $y = -1$

$-3x - y = -2$

$(1, -1)$

99) $y = -2$

$-4x - 3y = -10$

$(4, -2)$

101) $y = -6$

$4x + 9y = -14$

$(10, -6)$

78) $y = -3x$

$-5x + 4y = -17$

$(1, -3)$

80) $y = 2x$

$-x + 4y = -14$

$(-2, -4)$

82) $y = -2$

$-4x - 6y = 4$

$(2, -2)$

84) $-3x - y = -10$

$y = -5$

$(5, -5)$

86) $-4x - y = -7$

$y = 3$

$(1, 3)$

88) $-4x - 2y = -12$

$y = -3x$

$(-6, 18)$

90) $2x - 4y = -8$

$y = 0$

$(-4, 0)$

92) $y = -2x$

$-x + 3y = 14$

$(-2, 4)$

94) $-4x + 2y = 14$

$y = -1$

$(-4, -1)$

96) $-2x + 2y = 10$

$y = 2x$

$(5, 10)$

98) $y = 0$

$-5x + 4y = -15$

$(3, 0)$

100) $y = -2x$

$-2x - 3y = 4$

$(1, -2)$

102) $7x + 4y = -9$

$y = -2x$

$(9, -18)$

$$103) \begin{aligned} y &= -2x \\ -x - 3y &= -20 \\ (-4, 8) \end{aligned}$$

$$105) \begin{aligned} -10x + 8y &= -28 \\ y &= 3x \\ (-2, -6) \end{aligned}$$

$$107) \begin{aligned} 4x + 2y &= -18 \\ y &= -5 \\ (-2, -5) \end{aligned}$$

$$109) \begin{aligned} 8x + 4y &= 12 \\ y &= -9 \\ (6, -9) \end{aligned}$$

$$111) \begin{aligned} y &= 7 \\ -4x - 6y &= -6 \\ (-9, 7) \end{aligned}$$

$$113) \begin{aligned} y &= -5 \\ -7x - 5y &= -17 \\ (6, -5) \end{aligned}$$

$$115) \begin{aligned} 6x - 9y &= 0 \\ y &= 6x \\ (0, 0) \end{aligned}$$

$$117) \begin{aligned} y &= x \\ -8x + 5y &= -21 \\ (7, 7) \end{aligned}$$

$$119) \begin{aligned} y &= -1 \\ -2x + 2y &= 2 \\ (-2, -1) \end{aligned}$$

$$121) \begin{aligned} y &= x \\ -5x + 4y &= 3 \\ (-3, -3) \end{aligned}$$

$$123) \begin{aligned} y &= 2x \\ 9x + 8y &= -25 \\ (-1, -2) \end{aligned}$$

$$125) \begin{aligned} y &= 9 \\ -3x - 3y &= -21 \\ (-2, 9) \end{aligned}$$

$$127) \begin{aligned} y &= -4 \\ 3x - y &= 28 \\ (8, -4) \end{aligned}$$

$$104) \begin{aligned} y &= -6 \\ -4x + 9y &= -14 \\ (-10, -6) \end{aligned}$$

$$106) \begin{aligned} 6x - 2y &= 18 \\ y &= 6x \\ (-3, -18) \end{aligned}$$

$$108) \begin{aligned} -5x + 7y &= -4 \\ y &= 3 \\ (5, 3) \end{aligned}$$

$$110) \begin{aligned} 2x - 6y &= -14 \\ y &= -1 \\ (-10, -1) \end{aligned}$$

$$112) \begin{aligned} y &= -6 \\ 8x - 8y &= -24 \\ (-9, -6) \end{aligned}$$

$$114) \begin{aligned} y &= 7 \\ -5x - 10y &= -20 \\ (-10, 7) \end{aligned}$$

$$116) \begin{aligned} y &= -1 \\ -x + 10y &= -13 \\ (3, -1) \end{aligned}$$

$$118) \begin{aligned} 7x - y &= 16 \\ y &= -9x \\ (1, -9) \end{aligned}$$

$$120) \begin{aligned} 3x - 4y &= -10 \\ y &= -2 \\ (-6, -2) \end{aligned}$$

$$122) \begin{aligned} 8x + 9y &= 9 \\ y &= 9 \\ (-9, 9) \end{aligned}$$

$$124) \begin{aligned} y &= 1 \\ 7x - 7y &= -7 \\ (0, 1) \end{aligned}$$

$$126) \begin{aligned} -2x + 3y &= 10 \\ y &= 8 \\ (7, 8) \end{aligned}$$

$$128) \begin{aligned} -x + 4y &= -22 \\ y &= -4 \\ (6, -4) \end{aligned}$$

129) $-2x - y = -9$

$y = 7$

$(1, 7)$

131) $-7x + 5y = 17$

$y = -2x$

$(-1, 2)$

133) $-10x + 8y = 4$

$y = -7$

$(-6, -7)$

135) $y = -1$

$9x + 2y = 25$

$(3, -1)$

137) $7x - y = 1$

$y = 6$

$(1, 6)$

139) $3x + 10y = 15$

$y = 0$

$(5, 0)$

141) $9x - 9y = 9$

$y = 3$

$(4, 3)$

143) $y = 1$

$-2x + 3y = 19$

$(-8, 1)$

145) $-7x - 4y = -17$

$y = -8$

$(7, -8)$

147) $y = -1$

$-5x - 4y = 14$

$(-2, -1)$

149) $-4x + 5y = 18$

$y = -2$

$(-7, -2)$

151) $-x + 7y = -24$

$y = x$

$(-4, -4)$

153) $9x + 2y = 15$

$y = -6x$

$(-5, 30)$

130) $y = 3$

$-6x + 4y = -12$

$(4, 3)$

132) $y = -7x$

$-8x - y = -7$

$(7, -49)$

134) $y = 1$

$3x - 7y = 17$

$(8, 1)$

136) $y = 7$

$-x - 2y = -6$

$(-8, 7)$

138) $y = -5$

$3x + 5y = -4$

$(7, -5)$

140) $y = 5$

$-10x + 8y = -20$

$(6, 5)$

142) $y = x$

$2x + 5y = -14$

$(-2, -2)$

144) $y = 2$

$-7x + 8y = 30$

$(-2, 2)$

146) $-6x - 7y = -30$

$y = 0$

$(5, 0)$

148) $y = 7$

$10x - 5y = -15$

$(2, 7)$

150) $10x - 2y = -14$

$y = -3$

$(-2, -3)$

152) $-9x - 8y = -3$

$y = -3$

$(3, -3)$

154) $-x - 2y = 12$

$y = -6$

$(0, -6)$

155) $2x - y = 4$

$y = x$

$(4, 4)$

157) $y = -10$

$-5x - 4y = -10$

$(10, -10)$

159) $y = 1$

$-10x - 7y = 23$

$(-3, 1)$

161) $y = -2x$

$-8x + 5y = 0$

$(0, 0)$

163) $y = -8$

$3x + 4y = -14$

$(6, -8)$

165) $y = -2x$

$-5x - 3y = 7$

$(7, -14)$

167) $4x + 10y = 20$

$y = 6$

$(-10, 6)$

169) $2x - 6y = 12$

$y = -3$

$(-3, -3)$

171) $2x + 5y = 16$

$y = 4$

$(-2, 4)$

173) $10x - 5y = 25$

$y = 7x$

$(-1, -7)$

175) $y = -2x$

$-2x - 6y = 0$

$(0, 0)$

177) $y = -3x$

$6x + 2y = 0$

Infinite number of solutions

179) $5x + 5y = 5$

$y = 10$

$(-9, 10)$

156) $9x - 10y = -5$

$y = 5$

$(5, 5)$

158) $-5x - 3y = 17$

$y = -4$

$(-1, -4)$

160) $-x - y = -14$

$y = 10$

$(4, 10)$

162) $5x + 7y = -9$

$y = -7$

$(8, -7)$

164) $y = -3x$

$-4x - y = -8$

$(8, -24)$

166) $5x - 5y = -15$

$y = 5$

$(2, 5)$

168) $y = 5x$

$8x - 3y = 14$

$(-2, -10)$

170) $-6x - y = -21$

$y = x$

$(3, 3)$

172) $y = -8$

$-3x - 2y = 19$

$(-1, -8)$

174) $y = -2x$

$2x - 5y = 12$

$(1, -2)$

176) $7x - 2y = 26$

$y = 10x$

$(-2, -20)$

178) $2x - 4y = 20$

$y = -9$

$(-8, -9)$

180) $-6x - 7y = 27$

$y = 3x$

$(-1, -3)$

- 181) $y = 0$
 $-9x - 2y = 9$
 $(-1, 0)$
- 183) $y = 5$
 $-2x - 4y = -28$
 $(4, 5)$
- 185) $y = 0$
 $-x + 9y = -9$
 $(9, 0)$
- 187) $-6x - 4y = 2$
 $y = -2x$
 $(1, -2)$
- 189) $y = -4$
 $4x - 6y = -8$
 $(-8, -4)$
- 191) $-5x - 5y = 15$
 $y = -4x$
 $(1, -4)$
- 193) $7x + 6y = -3$
 $y = 3$
 $(-3, 3)$
- 195) $-x - 4y = 13$
 $y = -2$
 $(-5, -2)$
- 197) $y = x$
 $-3x + 3y = 0$
Infinite number of solutions
- 199) $y = -3$
 $-2x + 4y = 8$
 $(-10, -3)$
- 201) $5x + 10y = -25$
 $y = 4$
 $(-13, 4)$
- 203) $y = 12x$
 $11x - 4y = -37$
 $(1, 12)$
- 205) $-10x - 9y = -28$
 $y = 2$
 $(1, 2)$
- 182) $-3x - 8y = 0$
 $y = -5x$
 $(0, 0)$
- 184) $y = -3x$
 $8x + 3y = 6$
 $(-6, 18)$
- 186) $y = -7$
 $-3x - 2y = -4$
 $(6, -7)$
- 188) $9x - 4y = -8$
 $y = 2x$
 $(-8, -16)$
- 190) $y = 2$
 $5x + 8y = 1$
 $(-3, 2)$
- 192) $6x - 3y = 0$
 $y = 10x$
 $(0, 0)$
- 194) $-4x - 3y = 5$
 $y = 1$
 $(-2, 1)$
- 196) $y = 4x$
 $10x - 3y = 4$
 $(-2, -8)$
- 198) $10x + 2y = -4$
 $y = -7$
 $(1, -7)$
- 200) $2x + 2y = 10$
 $y = -1$
 $(6, -1)$
- 202) $5x - 4y = -12$
 $y = 3$
 $(0, 3)$
- 204) $y = -14x$
 $-9x - 9y = 0$
 $(0, 0)$
- 206) $y = -3$
 $-13x - 5y = -24$
 $(3, -3)$

$$207) -6x - 5y = -39$$

$$y = -9x$$

$$(-1, 9)$$

$$209) y = 12$$

$$-8x - 9y = -36$$

$$(-9, 12)$$

$$211) 14x - 14y = 0$$

$$y = 2$$

$$(2, 2)$$

$$213) y = 2$$

$$-6x + 6y = 24$$

$$(-2, 2)$$

$$215) y = -2x$$

$$9x + 3y = -24$$

$$(-8, 16)$$

$$217) y = 13$$

$$-5x + 2y = -34$$

$$(12, 13)$$

$$219) -4x - 6y = -42$$

$$y = 3$$

$$(6, 3)$$

$$221) y = 10x$$

$$11x - 5y = 39$$

$$(-1, -10)$$

$$223) y = -4$$

$$8x - 2y = 0$$

$$(-1, -4)$$

$$225) y = -2x$$

$$-7x - 2y = -30$$

$$(10, -20)$$

$$227) y = -2$$

$$-3x - 11y = -8$$

$$(10, -2)$$

$$229) -4x + 3y = -28$$

$$y = 0$$

$$(7, 0)$$

$$231) y = -9$$

$$-13x + 7y = 41$$

$$(-8, -9)$$

$$208) y = 8$$

$$3x - 2y = -22$$

$$(-2, 8)$$

$$210) -11x + 7y = -20$$

$$y = 3x$$

$$(-2, -6)$$

$$212) y = -9$$

$$4x - 2y = 10$$

$$(-2, -9)$$

$$214) y = -3$$

$$-5x - 7y = 26$$

$$(-1, -3)$$

$$216) 4x - 6y = 16$$

$$y = -12$$

$$(-14, -12)$$

$$218) y = 8x$$

$$4x + 11y = 0$$

$$(0, 0)$$

$$220) 6x + 9y = 33$$

$$y = -5$$

$$(13, -5)$$

$$222) y = -6x$$

$$-6x - 3y = -36$$

$$(-3, 18)$$

$$224) y = x$$

$$12x - 11y = -10$$

$$(-10, -10)$$

$$226) -2x + 7y = -3$$

$$y = 3$$

$$(12, 3)$$

$$228) 6x - y = -37$$

$$y = 7$$

$$(-5, 7)$$

$$230) -8x - 3y = -38$$

$$y = 10$$

$$(1, 10)$$

$$232) y = -5$$

$$12x + 2y = -22$$

$$(-1, -5)$$

$$233) \begin{aligned} y &= -11x \\ -22x - 2y &= 0 \end{aligned}$$

Infinite number of solutions

$$235) \begin{aligned} y &= -12 \\ -4x - 4y &= 8 \end{aligned}$$

(10, -12)

$$237) \begin{aligned} y &= 5 \\ 8x - 5y &= -9 \end{aligned}$$

(2, 5)

$$239) \begin{aligned} y &= 2x \\ -5x + 7y &= -9 \end{aligned}$$

(-1, -2)

$$241) \begin{aligned} y &= x \\ -5x + 8y &= -36 \end{aligned}$$

(-12, -12)

$$243) \begin{aligned} y &= -6 \\ 10x - 8y &= -22 \end{aligned}$$

(-7, -6)

$$245) \begin{aligned} -13x - 10y &= -37 \\ y &= -8 \end{aligned}$$

(9, -8)

$$247) \begin{aligned} -6x - y &= 33 \\ y &= 9 \end{aligned}$$

(-7, 9)

$$249) \begin{aligned} y &= 14x \\ 13x + 2y &= 0 \end{aligned}$$

(0, 0)

$$251) \begin{aligned} y &= -9 \\ 5x + 7y &= -28 \end{aligned}$$

(7, -9)

$$253) \begin{aligned} 5x - 12y &= -41 \\ y &= 8 \end{aligned}$$

(11, 8)

$$255) \begin{aligned} -7x + 11y &= 26 \\ y &= 10 \end{aligned}$$

(12, 10)

$$257) \begin{aligned} 11x - 5y &= 0 \\ y &= -3x \end{aligned}$$

(0, 0)

$$234) \begin{aligned} 6x + 3y &= -13 \\ y &= -2x \end{aligned}$$

No solution

$$236) \begin{aligned} -5x - 2y &= 0 \\ y &= -9x \end{aligned}$$

(0, 0)

$$238) \begin{aligned} -9x - 5y &= 24 \\ y &= -3x \end{aligned}$$

(4, -12)

$$240) \begin{aligned} y &= -7 \\ 14x + 4y &= -14 \end{aligned}$$

(1, -7)

$$242) \begin{aligned} y &= 6x \\ 10x + 12y &= 0 \end{aligned}$$

(0, 0)

$$244) \begin{aligned} -16x + 2y &= 13 \\ y &= 8x \end{aligned}$$

No solution

$$246) \begin{aligned} -6x + 9y &= 21 \\ y &= 7 \end{aligned}$$

(7, 7)

$$248) \begin{aligned} y &= 9 \\ 4x + 3y &= -1 \end{aligned}$$

(-7, 9)

$$250) \begin{aligned} 13x - 4y &= -37 \\ y &= 6 \end{aligned}$$

(-1, 6)

$$252) \begin{aligned} -4x + 4y &= 20 \\ y &= -1 \end{aligned}$$

(-6, -1)

$$254) \begin{aligned} -8x - 2y &= -40 \\ y &= 4 \end{aligned}$$

(4, 4)

$$256) \begin{aligned} y &= 4x \\ -13x + 12y &= -35 \end{aligned}$$

(-1, -4)

$$258) \begin{aligned} 7x + 6y &= -39 \\ y &= -10 \end{aligned}$$

(3, -10)

$$259) 5x + 8y = 34$$

$$y = 8$$

$$(-6, 8)$$

$$261) -6x + 8y = -34$$

$$y = 5x$$

$$(-1, -5)$$

$$263) -5x - 3y = 29$$

$$y = 12$$

$$(-13, 12)$$

$$265) y = -5$$

$$-6x + 10y = -8$$

$$(-7, -5)$$

$$267) y = -4$$

$$-7x - 6y = -11$$

$$(5, -4)$$

$$269) 13x + 7y = -7$$

$$y = -1$$

$$(0, -1)$$

$$271) -3x - 9y = 24$$

$$y = 0$$

$$(-8, 0)$$

$$273) 4x - 7y = -40$$

$$y = 8$$

$$(4, 8)$$

$$275) 4x - y = 6$$

$$y = -14$$

$$(-2, -14)$$

$$277) y = 13$$

$$4x - 5y = -29$$

$$(9, 13)$$

$$279) -2x - 6y = 8$$

$$y = -3$$

$$(5, -3)$$

$$281) y = 2x$$

$$-8x + 2y = -4$$

$$(1, 2)$$

$$283) y = x$$

$$-13x + 10y = -3$$

$$(1, 1)$$

$$260) 11x + 6y = -31$$

$$y = -7x$$

$$(1, -7)$$

$$262) -x - 9y = 5$$

$$y = 0$$

$$(-5, 0)$$

$$264) -9x + 6y = -27$$

$$y = 2x$$

$$(-9, -18)$$

$$266) y = -6x$$

$$7x - 10y = 0$$

$$(0, 0)$$

$$268) 12x + 3y = -3$$

$$y = -5x$$

$$(1, -5)$$

$$270) -12x - 10y = 4$$

$$y = 2$$

$$(-2, 2)$$

$$272) y = x$$

$$5x - 9y = -4$$

$$(1, 1)$$

$$274) y = 1$$

$$4x - 5y = 27$$

$$(8, 1)$$

$$276) y = -7$$

$$2x - 6y = 38$$

$$(-2, -7)$$

$$278) 27x + 3y = 0$$

$$y = -9x$$

Infinite number of solutions

$$280) y = 0$$

$$3x + 11y = -3$$

$$(-1, 0)$$

$$282) 6x + 5y = 0$$

$$y = -3x$$

$$(0, 0)$$

$$284) y = 11$$

$$3x + 4y = 26$$

$$(-6, 11)$$

$$\begin{aligned} 285) \quad & y = 2 \\ & -7x + 8y = 37 \\ & (-3, 2) \end{aligned}$$

$$\begin{aligned} 287) \quad & y = -2 \\ & 3x - 6y = -3 \\ & (-5, -2) \end{aligned}$$

$$\begin{aligned} 289) \quad & y = 7 \\ & -4x - 4y = -20 \\ & (-2, 7) \end{aligned}$$

$$\begin{aligned} 291) \quad & -8x + 14y = 16 \\ & y = -4 \\ & (-9, -4) \end{aligned}$$

$$\begin{aligned} 293) \quad & y = 10 \\ & -14x + 13y = -24 \\ & (11, 10) \end{aligned}$$

$$\begin{aligned} 295) \quad & y = 1 \\ & -3x + 12y = 30 \\ & (-6, 1) \end{aligned}$$

$$\begin{aligned} 297) \quad & y = -6 \\ & -4x - y = 18 \\ & (-3, -6) \end{aligned}$$

$$\begin{aligned} 299) \quad & -3x - 11y = 0 \\ & y = 13x \\ & (0, 0) \end{aligned}$$

$$\begin{aligned} 301) \quad & y = -12 \\ & 4x + 5y = -16 \\ & (11, -12) \end{aligned}$$

$$\begin{aligned} 303) \quad & 3x - 9y = -54 \\ & y = 4 \\ & (-6, 4) \end{aligned}$$

$$\begin{aligned} 305) \quad & y = -10 \\ & -10x + 15y = -60 \\ & (-9, -10) \end{aligned}$$

$$\begin{aligned} 307) \quad & -18x - 13y = -12 \\ & y = -6 \\ & (5, -6) \end{aligned}$$

$$\begin{aligned} 309) \quad & y = 7 \\ & -4x + 9y = 47 \\ & (4, 7) \end{aligned}$$

$$\begin{aligned} 286) \quad & y = 4 \\ & -5x + 8y = 12 \\ & (4, 4) \end{aligned}$$

$$\begin{aligned} 288) \quad & -2x + 7y = -35 \\ & y = -5 \\ & (0, -5) \end{aligned}$$

$$\begin{aligned} 290) \quad & 7x + 4y = -10 \\ & y = 1 \\ & (-2, 1) \end{aligned}$$

$$\begin{aligned} 292) \quad & -8x - 2y = 14 \\ & y = 3x \\ & (-1, -3) \end{aligned}$$

$$\begin{aligned} 294) \quad & y = -1 \\ & 4x - 10y = 30 \\ & (5, -1) \end{aligned}$$

$$\begin{aligned} 296) \quad & y = -13 \\ & -9x - 8y = -13 \\ & (13, -13) \end{aligned}$$

$$\begin{aligned} 298) \quad & -42x + 3y = -3 \\ & y = 14x \\ & \text{No solution} \end{aligned}$$

$$\begin{aligned} 300) \quad & -8x - 9y = 20 \\ & y = -12 \\ & (11, -12) \end{aligned}$$

$$\begin{aligned} 302) \quad & -3x - 6y = -18 \\ & y = 5 \\ & (-4, 5) \end{aligned}$$

$$\begin{aligned} 304) \quad & y = 7 \\ & -11x + 17y = -35 \\ & (14, 7) \end{aligned}$$

$$\begin{aligned} 306) \quad & -18x + 5y = -37 \\ & y = 7 \\ & (4, 7) \end{aligned}$$

$$\begin{aligned} 308) \quad & -9x - 5y = 59 \\ & y = -19 \\ & (4, -19) \end{aligned}$$

$$\begin{aligned} 310) \quad & 7x - 9y = -35 \\ & y = 0 \\ & (-5, 0) \end{aligned}$$

$$311) \begin{aligned} y &= 1 \\ -11x - 19y &= -19 \\ (0, 1) \end{aligned}$$

$$313) \begin{aligned} y &= -18x \\ 8x - 3y &= 0 \\ (0, 0) \end{aligned}$$

$$315) \begin{aligned} -11x - 17y &= 49 \\ y &= -10 \\ (11, -10) \end{aligned}$$

$$317) \begin{aligned} y &= -10 \\ -10x - 6y &= -40 \\ (10, -10) \end{aligned}$$

$$319) \begin{aligned} y &= -5x \\ 10x + 3y &= -40 \\ (8, -40) \end{aligned}$$

$$321) \begin{aligned} 2x - 7y &= 8 \\ y &= 0 \\ (4, 0) \end{aligned}$$

$$323) \begin{aligned} -6x + 10y &= 36 \\ y &= 12 \\ (14, 12) \end{aligned}$$

$$325) \begin{aligned} -x - 2y &= -38 \\ y &= 9x \\ (2, 18) \end{aligned}$$

$$327) \begin{aligned} y &= -10 \\ 8x + 6y &= 12 \\ (9, -10) \end{aligned}$$

$$329) \begin{aligned} -10x - 2y &= -16 \\ y &= -5x \\ \text{No solution} \end{aligned}$$

$$331) \begin{aligned} -5x + 13y &= -21 \\ y &= 3 \\ (12, 3) \end{aligned}$$

$$333) \begin{aligned} 2x - 19y &= -40 \\ y &= -2x \\ (-1, 2) \end{aligned}$$

$$335) \begin{aligned} y &= 2 \\ -19x - 17y &= 23 \\ (-3, 2) \end{aligned}$$

$$312) \begin{aligned} y &= 18 \\ -16x + 10y &= 20 \\ (10, 18) \end{aligned}$$

$$314) \begin{aligned} y &= 8x \\ -7x + 2y &= 54 \\ (6, 48) \end{aligned}$$

$$316) \begin{aligned} -15x - 6y &= 27 \\ y &= -2x \\ (-9, 18) \end{aligned}$$

$$318) \begin{aligned} y &= -3 \\ -7x - 3y &= -26 \\ (5, -3) \end{aligned}$$

$$320) \begin{aligned} -6x + 2y &= -22 \\ y &= 4 \\ (5, 4) \end{aligned}$$

$$322) \begin{aligned} y &= -12 \\ 9x - 15y &= 27 \\ (-17, -12) \end{aligned}$$

$$324) \begin{aligned} 10x + 14y &= 8 \\ y &= -13 \\ (19, -13) \end{aligned}$$

$$326) \begin{aligned} y &= -4 \\ 6x - 5y &= -16 \\ (-6, -4) \end{aligned}$$

$$328) \begin{aligned} y &= -6x \\ 11x - 6y &= 47 \\ (1, -6) \end{aligned}$$

$$330) \begin{aligned} y &= -5 \\ -17x + 15y &= 44 \\ (-7, -5) \end{aligned}$$

$$332) \begin{aligned} y &= 2 \\ -19x - 2y &= 15 \\ (-1, 2) \end{aligned}$$

$$334) \begin{aligned} y &= 6x \\ 9x - 2y &= 33 \\ (-11, -66) \end{aligned}$$

$$336) \begin{aligned} y &= -2 \\ 9x + 9y &= -9 \\ (1, -2) \end{aligned}$$

$$\begin{aligned} 337) \quad & y = -11 \\ & 10x + 13y = 47 \\ & (19, -11) \end{aligned}$$

$$\begin{aligned} 339) \quad & -4x - y = 20 \\ & y = -2x \\ & (-10, 20) \end{aligned}$$

$$\begin{aligned} 341) \quad & 17x - 2y = 55 \\ & y = 6x \\ & (11, 66) \end{aligned}$$

$$\begin{aligned} 343) \quad & 19x + 4y = 55 \\ & y = 9x \\ & (1, 9) \end{aligned}$$

$$\begin{aligned} 345) \quad & y = -7x \\ & 17x + 4y = 44 \\ & (-4, 28) \end{aligned}$$

$$\begin{aligned} 347) \quad & -9x + 3y = 60 \\ & y = -2x \\ & (-4, 8) \end{aligned}$$

$$\begin{aligned} 349) \quad & y = -1 \\ & -6x + 6y = 60 \\ & (-11, -1) \end{aligned}$$

$$\begin{aligned} 351) \quad & y = 15 \\ & 8x + 7y = -23 \\ & (-16, 15) \end{aligned}$$

$$\begin{aligned} 353) \quad & -11x - 4y = 35 \\ & y = 6x \\ & (-1, -6) \end{aligned}$$

$$\begin{aligned} 355) \quad & 14x - 14y = 28 \\ & y = -7 \\ & (-5, -7) \end{aligned}$$

$$\begin{aligned} 357) \quad & y = 10 \\ & 5x + 12y = 45 \\ & (-15, 10) \end{aligned}$$

$$\begin{aligned} 359) \quad & y = 20 \\ & 8x - 4y = -48 \\ & (4, 20) \end{aligned}$$

$$\begin{aligned} 361) \quad & y = 0 \\ & -7x - 2y = -7 \\ & (1, 0) \end{aligned}$$

$$\begin{aligned} 338) \quad & -5x - y = 23 \\ & y = 2 \\ & (-5, 2) \end{aligned}$$

$$\begin{aligned} 340) \quad & -3x + 5y = 3 \\ & y = -3 \\ & (-6, -3) \end{aligned}$$

$$\begin{aligned} 342) \quad & y = -5 \\ & 10x + 2y = 0 \\ & (1, -5) \end{aligned}$$

$$\begin{aligned} 344) \quad & -5x - 2y = 29 \\ & y = -2 \\ & (-5, -2) \end{aligned}$$

$$\begin{aligned} 346) \quad & y = 8 \\ & 15x - 4y = -17 \\ & (1, 8) \end{aligned}$$

$$\begin{aligned} 348) \quad & y = 4x \\ & -8x - 6y = 0 \\ & (0, 0) \end{aligned}$$

$$\begin{aligned} 350) \quad & -18x + 9y = 18 \\ & y = 20 \\ & (9, 20) \end{aligned}$$

$$\begin{aligned} 352) \quad & y = 5 \\ & -19x + 14y = -44 \\ & (6, 5) \end{aligned}$$

$$\begin{aligned} 354) \quad & y = 15 \\ & -17x - 11y = 56 \\ & (-13, 15) \end{aligned}$$

$$\begin{aligned} 356) \quad & y = -8x \\ & 17x + 20y = 0 \\ & (0, 0) \end{aligned}$$

$$\begin{aligned} 358) \quad & y = 9 \\ & 6x - 4y = 54 \\ & (15, 9) \end{aligned}$$

$$\begin{aligned} 360) \quad & y = 1 \\ & -6x + 9y = 9 \\ & (0, 1) \end{aligned}$$

$$\begin{aligned} 362) \quad & y = 11 \\ & -x - y = -13 \\ & (2, 11) \end{aligned}$$

$$363) \begin{aligned} y &= -1 \\ 7x + 20y &= -48 \\ (-4, -1) \end{aligned}$$

$$365) \begin{aligned} y &= 2 \\ -6x - 14y &= 32 \\ (-10, 2) \end{aligned}$$

$$367) \begin{aligned} y &= 18 \\ 17x - 4y &= -38 \\ (2, 18) \end{aligned}$$

$$369) \begin{aligned} y &= -6 \\ -10x - 17y &= -48 \\ (15, -6) \end{aligned}$$

$$371) \begin{aligned} -4x - 20y &= -20 \\ y &= 5 \\ (-20, 5) \end{aligned}$$

$$373) \begin{aligned} 3x + 14y &= -44 \\ y &= -7 \\ (18, -7) \end{aligned}$$

$$375) \begin{aligned} 11x + 13y &= 40 \\ y &= 9 \\ (-7, 9) \end{aligned}$$

$$377) \begin{aligned} y &= 0 \\ -7x - 9y &= 14 \\ (-2, 0) \end{aligned}$$

$$379) \begin{aligned} y &= -8x \\ 7x + 9y &= 0 \\ (0, 0) \end{aligned}$$

$$381) \begin{aligned} 6x - 14y &= 0 \\ y &= -2x \\ (0, 0) \end{aligned}$$

$$383) \begin{aligned} 10x + 7y &= 45 \\ y &= -5 \\ (8, -5) \end{aligned}$$

$$385) \begin{aligned} -2x + 4y &= -8 \\ y &= 8 \\ (20, 8) \end{aligned}$$

$$387) \begin{aligned} y &= 19 \\ 17x + 8y &= -35 \\ (-11, 19) \end{aligned}$$

$$364) \begin{aligned} 3x - 10y &= 8 \\ y &= 1 \\ (6, 1) \end{aligned}$$

$$366) \begin{aligned} 5x + 6y &= 5 \\ y &= 5 \\ (-5, 5) \end{aligned}$$

$$368) \begin{aligned} y &= 12 \\ 19x - 17y &= -14 \\ (10, 12) \end{aligned}$$

$$370) \begin{aligned} -18x + 17y &= 18 \\ y &= -18 \\ (-18, -18) \end{aligned}$$

$$372) \begin{aligned} 10x - 7y &= 31 \\ y &= -3x \\ (1, -3) \end{aligned}$$

$$374) \begin{aligned} y &= 8 \\ -14x + 19y &= 40 \\ (8, 8) \end{aligned}$$

$$376) \begin{aligned} y &= -19 \\ 14x + 12y &= 10 \\ (17, -19) \end{aligned}$$

$$378) \begin{aligned} 10x + 14y &= -42 \\ y &= -13 \\ (14, -13) \end{aligned}$$

$$380) \begin{aligned} -17x + 19y &= -27 \\ y &= -5 \\ (-4, -5) \end{aligned}$$

$$382) \begin{aligned} 24x - 3y &= 3 \\ y &= 8x \\ \text{No solution} \end{aligned}$$

$$384) \begin{aligned} y &= 8 \\ 17x - 14y &= -10 \\ (6, 8) \end{aligned}$$

$$386) \begin{aligned} y &= -2 \\ 9x - 14y &= 55 \\ (3, -2) \end{aligned}$$

$$388) \begin{aligned} y &= -14x \\ -16x - 4y &= -40 \\ (-1, 14) \end{aligned}$$

- 389) $y = -17x$
 $9x + 13y = 0$
(0, 0)
- 391) $8x + 15y = -29$
 $y = 5$
(-13, 5)
- 393) $y = 3$
 $-2x - 8y = -4$
(-10, 3)
- 395) $y = 3$
 $6x + 16y = 42$
(-1, 3)
- 397) $y = 2$
 $-10x - 8y = 34$
(-5, 2)
- 399) $-16x - 13y = 40$
 $y = 8$
(-9, 8)
- 401) $-34x + 33y = 0$
 $y = 41x$
(0, 0)
- 403) $y = -32$
 $-10x - 2y = -6$
(7, -32)
- 405) $y = -6$
 $4x + 23y = -114$
(6, -6)
- 407) $y = -18x$
 $-19x - y = -36$
(36, -648)
- 409) $-6x - 3y = 87$
 $y = 15$
(-22, 15)
- 411) $y = 21$
 $16x - 16y = 128$
(29, 21)
- 413) $-24x + 17y = -57$
 $y = 39$
(30, 39)
- 390) $10x + 3y = 14$
 $y = -3x$
(14, -42)
- 392) $y = 14$
 $7x + 2y = 28$
(0, 14)
- 394) $18x - 17y = 30$
 $y = 12$
(13, 12)
- 396) $6x - 3y = -11$
 $y = 2x$
No solution
- 398) $10x + 2y = 54$
 $y = 2$
(5, 2)
- 400) $y = -12$
 $14x - 11y = 34$
(-7, -12)
- 402) $y = -34$
 $-49x + 23y = 2$
(-16, -34)
- 404) $11x - 6y = -45$
 $y = -42$
(-27, -42)
- 406) $y = -16x$
 $48x + 3y = -31$
No solution
- 408) $-50x - 18y = -50$
 $y = 50$
(-17, 50)
- 410) $y = 47x$
 $36x + 42y = 0$
(0, 0)
- 412) $37x + 32y = 131$
 $y = -4$
(7, -4)
- 414) $6x - 15y = 99$
 $y = -15$
(-21, -15)

$$415) -14x - y = -80$$

$$y = 26x$$

$$(2, 52)$$

$$417) -42x + 24y = 132$$

$$y = -12$$

$$(-10, -12)$$

$$419) y = 4x$$

$$-22x + 6y = 78$$

$$(39, 156)$$

$$421) y = -20$$

$$-x + 7y = -92$$

$$(-48, -20)$$

$$423) y = 5$$

$$16x + 40y = 24$$

$$(-11, 5)$$

$$425) y = -24$$

$$45x - 50y = 120$$

$$(-24, -24)$$

$$427) y = 6$$

$$-8x - 43y = -122$$

$$(-17, 6)$$

$$429) y = -37$$

$$3x + 2y = -71$$

$$(1, -37)$$

$$431) 30x + 30y = 0$$

$$y = 2$$

$$(-2, 2)$$

$$433) y = -18$$

$$38x + 39y = 96$$

$$(21, -18)$$

$$435) y = 45x$$

$$36x - y = -126$$

$$(14, 630)$$

$$437) y = -26x$$

$$-35x - y = 126$$

$$(-14, 364)$$

$$439) -11x - 13y = 136$$

$$y = -13$$

$$(3, -13)$$

$$416) 17x - 6y = 104$$

$$y = 45$$

$$(22, 45)$$

$$418) y = 14$$

$$42x - 26y = -28$$

$$(8, 14)$$

$$420) y = 14$$

$$12x - 30y = 108$$

$$(44, 14)$$

$$422) y = 24$$

$$5x + 7y = 38$$

$$(-26, 24)$$

$$424) 31x + 13y = -83$$

$$y = -4$$

$$(-1, -4)$$

$$426) y = 5x$$

$$-38x + 8y = 70$$

$$(35, 175)$$

$$428) y = -1$$

$$-10x - 28y = -62$$

$$(9, -1)$$

$$430) y = -27$$

$$33x + 5y = -135$$

$$(0, -27)$$

$$432) y = -2x$$

$$-7x + 8y = -92$$

$$(4, -8)$$

$$434) 30x + 22y = 134$$

$$y = 32$$

$$(-19, 32)$$

$$436) 34x - 27y = -81$$

$$y = 37$$

$$(27, 37)$$

$$438) -28x + 11y = 55$$

$$y = 33$$

$$(11, 33)$$

$$440) 19x + 21y = -62$$

$$y = -31$$

$$(31, -31)$$

$$441) \begin{aligned} y &= 46x \\ 19x - 47y &= 0 \\ (0, 0) \end{aligned}$$

$$443) \begin{aligned} 13x + 28y &= 148 \\ y &= 9 \\ (-8, 9) \end{aligned}$$

$$445) \begin{aligned} y &= 47 \\ 8x - 7y &= 31 \\ (45, 47) \end{aligned}$$

$$447) \begin{aligned} 28x - 6y &= 150 \\ y &= -25 \\ (0, -25) \end{aligned}$$

$$449) \begin{aligned} -18x - 23y &= 123 \\ y &= -3 \\ (-3, -3) \end{aligned}$$

$$451) \begin{aligned} -26x - 11y &= 57 \\ y &= 35 \\ (-17, 35) \end{aligned}$$

$$453) \begin{aligned} -43x + 18y &= -126 \\ y &= 2x \\ (18, 36) \end{aligned}$$

$$455) \begin{aligned} y &= 42 \\ 21x + 22y &= 147 \\ (-37, 42) \end{aligned}$$

$$457) \begin{aligned} y &= -38 \\ 30x - 18y &= 24 \\ (-22, -38) \end{aligned}$$

$$459) \begin{aligned} y &= -10 \\ 20x - 35y &= -10 \\ (-18, -10) \end{aligned}$$

$$461) \begin{aligned} 5x - 18y &= -2 \\ y &= 14 \\ (50, 14) \end{aligned}$$

$$463) \begin{aligned} -2x + 45y &= 103 \\ y &= 3 \\ (16, 3) \end{aligned}$$

$$465) \begin{aligned} -2x + 19y &= 67 \\ y &= 1 \\ (-24, 1) \end{aligned}$$

$$442) \begin{aligned} -27x + 37y &= -43 \\ y &= -34 \\ (-45, -34) \end{aligned}$$

$$444) \begin{aligned} y &= -14 \\ -13x + 4y &= -82 \\ (2, -14) \end{aligned}$$

$$446) \begin{aligned} 6x + 40y &= -110 \\ y &= -8 \\ (35, -8) \end{aligned}$$

$$448) \begin{aligned} y &= 15x \\ -6x + 5y &= -69 \\ (-1, -15) \end{aligned}$$

$$450) \begin{aligned} y &= 6 \\ 2x - 41y &= -148 \\ (49, 6) \end{aligned}$$

$$452) \begin{aligned} 12x - 49y &= 8 \\ y &= 4 \\ (17, 4) \end{aligned}$$

$$454) \begin{aligned} y &= 2 \\ -32x + 39y &= -82 \\ (5, 2) \end{aligned}$$

$$456) \begin{aligned} y &= 7 \\ 6x + 34y &= 130 \\ (-18, 7) \end{aligned}$$

$$458) \begin{aligned} y &= -1 \\ -2x + 44y &= -82 \\ (19, -1) \end{aligned}$$

$$460) \begin{aligned} -x + 4y &= 129 \\ y &= x \\ (43, 43) \end{aligned}$$

$$462) \begin{aligned} y &= 2x \\ 11x + 8y &= -81 \\ (-3, -6) \end{aligned}$$

$$464) \begin{aligned} y &= -26 \\ 13x - 22y &= -26 \\ (-46, -26) \end{aligned}$$

$$466) \begin{aligned} -27x - 4y &= 12 \\ y &= -7x \\ (12, -84) \end{aligned}$$

$$467) \begin{aligned} y &= 20 \\ 24x - 20y &= 32 \\ (18, 20) \end{aligned}$$

$$469) \begin{aligned} 4x + 12y &= -84 \\ y &= -12 \\ (15, -12) \end{aligned}$$

$$471) \begin{aligned} y &= 41 \\ 29x + 28y &= -99 \\ (-43, 41) \end{aligned}$$

$$473) \begin{aligned} y &= 31x \\ 30x + 50y &= 0 \\ (0, 0) \end{aligned}$$

$$475) \begin{aligned} y &= -30x \\ 8x - 36y &= 0 \\ (0, 0) \end{aligned}$$

$$477) \begin{aligned} y &= -10 \\ 6x + 12y &= -108 \\ (2, -10) \end{aligned}$$

$$479) \begin{aligned} -5x + 7y &= 24 \\ y &= 12 \\ (12, 12) \end{aligned}$$

$$481) \begin{aligned} y &= -12 \\ -15x + 3y &= -21 \\ (-1, -12) \end{aligned}$$

$$483) \begin{aligned} 7x + 15y &= -101 \\ y &= -24 \\ (37, -24) \end{aligned}$$

$$485) \begin{aligned} -43x + 14y &= -80 \\ y &= 25 \\ (10, 25) \end{aligned}$$

$$487) \begin{aligned} y &= 16x \\ 28x - 2y &= -120 \\ (30, 480) \end{aligned}$$

$$489) \begin{aligned} y &= 22 \\ 2x - 4y &= -56 \\ (16, 22) \end{aligned}$$

$$491) \begin{aligned} y &= 20 \\ -2x - y &= 12 \\ (-16, 20) \end{aligned}$$

$$468) \begin{aligned} -41x - y &= 136 \\ y &= -24x \\ (-8, 192) \end{aligned}$$

$$470) \begin{aligned} -23x - 26y &= 43 \\ y &= -45 \\ (49, -45) \end{aligned}$$

$$472) \begin{aligned} y &= 41 \\ 16x - 18y &= -34 \\ (44, 41) \end{aligned}$$

$$474) \begin{aligned} -14x + 11y &= 17 \\ y &= -29 \\ (-24, -29) \end{aligned}$$

$$476) \begin{aligned} y &= -7 \\ 38x - 49y &= 77 \\ (-7, -7) \end{aligned}$$

$$478) \begin{aligned} y &= 4 \\ -19x + 40y &= 103 \\ (3, 4) \end{aligned}$$

$$480) \begin{aligned} -37x - 9y &= -124 \\ y &= 22 \\ (-2, 22) \end{aligned}$$

$$482) \begin{aligned} 6x + 3y &= 0 \\ y &= -2x \\ \text{Infinite number of solutions} \end{aligned}$$

$$484) \begin{aligned} y &= -5 \\ -29x - 31y &= 126 \\ (1, -5) \end{aligned}$$

$$486) \begin{aligned} -4x - 9y &= -130 \\ y &= -6 \\ (46, -6) \end{aligned}$$

$$488) \begin{aligned} y &= -4x \\ -8x - 2y &= 0 \\ \text{Infinite number of solutions} \end{aligned}$$

$$490) \begin{aligned} 39x + 46y &= -25 \\ y &= 2 \\ (-3, 2) \end{aligned}$$

$$492) \begin{aligned} y &= -4 \\ -35x + 49y &= 49 \\ (-7, -4) \end{aligned}$$

$$493) 7x - 33y = 103$$

$$y = 6$$

$$(43, 6)$$

$$495) y = 27$$

$$11x + 2y = 76$$

$$(2, 27)$$

$$497) y = -31$$

$$-8x - 10y = -58$$

$$(46, -31)$$

$$499) y = -2x$$

$$-2x - y = 1$$

No solution

$$494) y = -5x$$

$$20x + 24y = -100$$

$$(1, -5)$$

$$496) y = -2x$$

$$29x + 24y = 95$$

$$(-5, 10)$$

$$498) 6x - 3y = 147$$

$$y = -31$$

$$(9, -31)$$

$$500) y = -37$$

$$46x - 14y = 58$$

$$(-10, -37)$$