

1. Solve the equations:

a) $y = 1$
 $x = y + 1$

b) $y = 1$
 $x = y + 5$

c) $y = 2$
 $x = y - 1$

d) $y = 4$
 $x = y - 2$

e) $y = 2$
 $x = 4y - 1$

f) $y = 4$
 $x = 5y - 2$

g) $y = 8$
 $x = y + 1$

h) $y = 5$
 $x = y + 5$

i) $y = 5$
 $x = y - 1$

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

k) $y = 4$
 $x = 4y - 1$

l) $y = 9$
 $x = 5y - 2$

2. Solve the equations:

a) $y = 1$
 $x = -y + 1$

b) $y = 1$
 $x = -y + 5$

c) $y = 2$
 $x = -y - 1$

d) $y = 4$
 $x = -y - 2$

e) $y = -2$
 $x = 4y - 1$

f) $y = -4$
 $x = 5y - 2$

g) $y = 8$
 $x = -y + 1$

h) $y = 5$
 $x = -y + 5$

i) $y = 5$
 $x = -y - 1$

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

k) $y = -4$
 $x = 4y - 1$

l) $y = -9$
 $x = 5y - 2$

3. Solve the equations:

a) $x + y = 11$
 $x + 2y = 12$

b) $2x + y = 11$
 $x + y = 9$

c) $2x + y = 11$
 $2x + 2y = 12$

d) $2x + 4y = 12$
 $x + 4y = 10$

e) $x + 3y = 11$
 $3x + 3y = 15$

f) $2x + 4y = 12$
 $2x + 7y = 21$

g) $7x + 3y = 33$
 $5x + 3y = 27$

h) $2x + 5y = 19$
 $2x + 3y = 13$

i) $12x + y = 25$
 $12x + 12y = 36$

j) $20x + 4y = 64$
 $10x + 4y = 34$

k) $7x + 3y = 85$
 $3x + 3y = 45$

l) $9x + 4y = 51$
 $9x + 6y = 63$

4. Solve the equations:

a) $3x + y = 14$
 $2x + 2y = 12$

b) $2x + 5y = 12$
 $x + 7y = 15$

c) $3x + 7y = 22$
 $x + 2y = 7$

d) $5x + 4y = 18$
 $x + 11y = 24$

e) $7x + 3y = 23$
 $3x + 6y = 24$

f) $8x + 4y = 12$
 $2x + 7y = 21$

g) $7x + 3y = 33$
 $5x + 6y = 39$

h) $4x + 5y = 23$
 $2x + 3y = 13$

i) $12x + 4y = 28$
 $10x + 12y = 32$

j) $20x + 3y = 63$
 $10x + 4y = 34$

k) $8x + 13y = 145$
 $2x + 3y = 35$

l) $3x + 4y = 33$
 $9x + 6y = 63$

5. Solve the equations:

a) $7x + 3y = 23$
 $3x + 2y = 12$

b) $7x + 2y = 29$
 $5x + 3y = 27$

c) $4x + 5y = 23$
 $7x + 3y = 23$

d) $6x + 13y = 125$
 $4x + 3y = 55$

e) $13x + 4y = 63$
 $9x + 6y = 63$

f) $3x + 7y = 22$
 $5x + 2y = 27$

g) $3x + 7y = 26$
 $2x + 2y = 12$

h) $2x + 5y = 12$
 $3x + 7y = 17$

i) $12x + 5y = 29$
 $10x + 12y = 32$

j) $17x + 3y = 54$
 $10x + 4y = 34$

k) $5x + 4y = 18$
 $3x + 11y = 28$

l) $8x + 4y = 12$
 $6x + 7y = 21$

6. Solve the equations:

$$\begin{aligned} \text{a) } 3x - y &= 10 \\ 2x + 2y &= 12 \end{aligned}$$

$$\begin{aligned} \text{b) } -2x + 5y &= 8 \\ x + 7y &= 15 \end{aligned}$$

$$\begin{aligned} \text{c) } -3x - 7y &= -22 \\ x + 2y &= 7 \end{aligned}$$

$$\begin{aligned} \text{d) } 5x + 4y &= 18 \\ -x - 11y &= -24 \end{aligned}$$

$$\begin{aligned} \text{e) } -7x + 3y &= -5 \\ 3x - 6y &= -12 \end{aligned}$$

$$\begin{aligned} \text{f) } 8x - 4y &= -12 \\ -2x + 7y &= 21 \end{aligned}$$

$$\begin{aligned} \text{g) } 7x - 3y &= 9 \\ 5x + 6y &= 39 \end{aligned}$$

$$\begin{aligned} \text{h) } 4x + 5y &= 23 \\ -2x + 3y &= 5 \end{aligned}$$

$$\begin{aligned} \text{i) } -12x - 4y &= -28 \\ 10x + 12y &= 32 \end{aligned}$$

$$\begin{aligned} \text{j) } 20x + 3y &= 63 \\ -10x - 4y &= -34 \end{aligned}$$

$$\begin{aligned} \text{k) } -8x + 13y &= -15 \\ 2x - 3y &= 5 \end{aligned}$$

$$\begin{aligned} \text{l) } 3x - 4y &= -15 \\ -9x + 6y &= 9 \end{aligned}$$

7. Solve the equations:

$$\begin{aligned} \text{a) } 7x - 3y &= 5 \\ 3x + 2y &= 12 \end{aligned}$$

$$\begin{aligned} \text{b) } 7x + 2y &= 29 \\ 5x - 3y &= 3 \end{aligned}$$

$$\begin{aligned} \text{c) } -4x - 5y &= -23 \\ 7x + 3y &= 23 \end{aligned}$$

$$\begin{aligned} \text{d) } 6x + 13y &= 125 \\ -4x - 3y &= -55 \end{aligned}$$

$$\begin{aligned} \text{e) } -13x + 4y &= -15 \\ 9x - 6y &= -9 \end{aligned}$$

$$\begin{aligned} \text{f) } 3x - 7y &= 8 \\ -5x + 2y &= -23 \end{aligned}$$

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

$$\begin{aligned} \text{h) } 2x - 5y &= -8 \\ 3x + 7y &= 17 \end{aligned}$$

$$\begin{aligned} \text{i) } -12x - 5y &= -29 \\ 10x + 12y &= 32 \end{aligned}$$

$$\begin{aligned} \text{j) } 17x + 3y &= 54 \\ -10x - 4y &= -34 \end{aligned}$$

$$\begin{aligned} \text{k) } -5x - 4y &= -18 \\ -3x + 11y &= 16 \end{aligned}$$

$$\begin{aligned} \text{l) } 8x - 4y &= -12 \\ -6x - 7y &= -21 \end{aligned}$$