



Graphing systems of linear equations - standard

Find both **x**- and **y**- coordinates of the solution to each system by drawing graphs of the given equations.

1) $x - y = -3$
 $x + y = -1$

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

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

4) $2x - 3y = -12$
 $4x + 3y = -6$

$$\begin{aligned} 5) \quad & 2x - 3y = 9 \\ & x + y = 2 \end{aligned}$$

$$\begin{aligned} 6) \quad & x - 2y = 6 \\ & 3x + 4y = 8 \end{aligned}$$

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

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

$$\begin{aligned} 9) \quad & 5x + 4y = -8 \\ & x - 4y = -16 \end{aligned}$$

$$\begin{aligned} 10) \quad & x - 4y = -8 \\ & x - y = 1 \end{aligned}$$

$$\begin{aligned} 11) \quad & x + y = -1 \\ & x - 3y = -9 \end{aligned}$$

$$\begin{aligned} 12) \quad & 5x - 2y = -6 \\ & x + 2y = -6 \end{aligned}$$

$$\begin{aligned} 13) \quad & 2x - y = 1 \\ & x + y = 2 \end{aligned}$$

$$\begin{aligned} 14) \quad & 2x + 3y = -9 \\ & 2x - 3y = -3 \end{aligned}$$

$$\begin{aligned} 15) \quad & 4x - y = 2 \\ & x + y = 3 \end{aligned}$$

$$\begin{aligned} 16) \quad & 2x + 3y = -6 \\ & y = -4 \end{aligned}$$

$$17) \begin{aligned} x - 4y &= -12 \\ 5x - 4y &= 4 \end{aligned}$$

$$18) \begin{aligned} x + 4y &= 16 \\ 7x - 4y &= 16 \end{aligned}$$

$$19) \begin{aligned} x + 4y &= -8 \\ x - y &= -3 \end{aligned}$$

$$20) \begin{aligned} 2x + 3y &= -6 \\ 8x + 3y &= 12 \end{aligned}$$

$$\begin{aligned} 21) \quad & 2x + y = 1 \\ & x + 2y = -4 \end{aligned}$$

$$\begin{aligned} 22) \quad & 4x + y = -1 \\ & x - y = -4 \end{aligned}$$

$$\begin{aligned} 23) \quad & 6x + y = 4 \\ & x - y = 3 \end{aligned}$$

$$\begin{aligned} 24) \quad & 3x + 4y = 16 \\ & x - 2y = 2 \end{aligned}$$

$$\begin{aligned} 25) \quad x - y &= 3 \\ 3x + y &= 1 \end{aligned}$$

$$\begin{aligned} 26) \quad 5x + 2y &= -2 \\ x + 2y &= 6 \end{aligned}$$

$$\begin{aligned} 27) \quad 2x - y &= -2 \\ x - 3y &= 9 \end{aligned}$$

$$\begin{aligned} 28) \quad 4x - 3y &= 6 \\ 2x + 3y &= 12 \end{aligned}$$

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

$$\begin{aligned} 30) \quad x + 2y &= 8 \\ x - 2y &= -4 \end{aligned}$$

Answers to Graphing systems of linear equations - standard

- | | | | |
|----------------|----------------|----------------|----------------|
| 1) $(-2, 1)$ | 2) $(4, -2)$ | 3) $(-1, 4)$ | 4) $(-3, 2)$ |
| 5) $(3, -1)$ | 6) $(4, -1)$ | 7) $(-1, -4)$ | 8) $(-1, -3)$ |
| 9) $(-4, 3)$ | 10) $(4, 3)$ | 11) $(-3, 2)$ | 12) $(-2, -2)$ |
| 13) $(1, 1)$ | 14) $(-3, -1)$ | 15) $(1, 2)$ | 16) $(3, -4)$ |
| 17) $(4, 4)$ | 18) $(4, 3)$ | 19) $(-4, -1)$ | 20) $(3, -4)$ |
| 21) $(2, -3)$ | 22) $(-1, 3)$ | 23) $(1, -2)$ | 24) $(4, 1)$ |
| 25) $(1, -2)$ | 26) $(-2, 4)$ | 27) $(-3, -4)$ | 28) $(3, 2)$ |
| 29) $(-4, -1)$ | 30) $(2, 3)$ | | |