

Practice - Graphing

Solve each equation by graphing.

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

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

$$5) \begin{aligned} y &= -\frac{3}{4}x + 1 \\ y &= -\frac{3}{4}x + 2 \end{aligned}$$

$$7) \begin{aligned} y &= \frac{1}{3}x + 2 \\ y &= -\frac{5}{3}x - 4 \end{aligned}$$

$$9) \begin{aligned} y &= \frac{5}{3}x + 4 \\ y &= -\frac{2}{3}x - 3 \end{aligned}$$

$$11) \begin{aligned} x + 3y &= -9 \\ 5x + 3y &= 3 \end{aligned}$$

$$13) \begin{aligned} x - y &= 4 \\ 2x + y &= -1 \end{aligned}$$

$$15) \begin{aligned} 2x + 3y &= -6 \\ 2x + y &= 2 \end{aligned}$$

$$17) \begin{aligned} 2x + y &= 2 \\ x - y &= 4 \end{aligned}$$

$$19) \begin{aligned} 2x + y &= -2 \\ x + 3y &= 9 \end{aligned}$$

$$21) \begin{aligned} 0 &= -6x - 9y + 36 \\ 12 &= 6x - 3y \end{aligned}$$

$$23) \begin{aligned} 2x - y &= 1 \\ 0 &= -2x - y - 3 \end{aligned}$$

$$25) \begin{aligned} 3 + y &= -x \\ -4 - 6x &= -y \end{aligned}$$

$$27) \begin{aligned} -y + 7x &= 4 \\ -y - 3 + 7x &= 0 \end{aligned}$$

$$29) \begin{aligned} -12 + x &= 4y \\ 12 - 5x &= 4y \end{aligned}$$

$$2) \begin{aligned} y &= -\frac{5}{4}x - 2 \\ y &= -\frac{1}{4}x + 2 \end{aligned}$$

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

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

$$8) \begin{aligned} y &= 2x - 4 \\ y &= \frac{1}{2}x + 2 \end{aligned}$$

$$10) \begin{aligned} y &= \frac{1}{2}x + 4 \\ y &= \frac{1}{2}x + 1 \end{aligned}$$

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

$$14) \begin{aligned} 6x + y &= -3 \\ x + y &= 2 \end{aligned}$$

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

$$18) \begin{aligned} x + 2y &= 6 \\ 5x - 4y &= 16 \end{aligned}$$

$$20) \begin{aligned} x - y &= 3 \\ 5x + 2y &= 8 \end{aligned}$$

$$22) \begin{aligned} -2y + x &= 4 \\ 2 &= -x + \frac{1}{2}y \end{aligned}$$

$$24) \begin{aligned} -2y &= -4 - x \\ -2y &= -5x + 4 \end{aligned}$$

$$26) \begin{aligned} 16 &= -x - 4y \\ -2x &= -4 - 4y \end{aligned}$$

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

$$30) \begin{aligned} -5x + 1 &= -y \\ -y + x &= -3 \end{aligned}$$



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Answers - Graphing

- | | | |
|-----------------|------------------|------------------|
| 1) $\{-1, 2\}$ | 12) $\{4, -4\}$ | 23) $\{-1, -1\}$ |
| 2) $\{-4, 3\}$ | 13) $\{1, -3\}$ | 24) $\{2, 3\}$ |
| 3) $\{-1, 3\}$ | 14) $\{-1, 3\}$ | 25) $\{-1, -2\}$ |
| 4) $\{-3, 1\}$ | 15) $\{3, -4\}$ | 26) $\{-4, -3\}$ |
| 5) No Solution | 16) No Solution | 27) No Solution |
| 6) $\{-2, -2\}$ | 17) $\{2, -2\}$ | 28) $\{-3, 1\}$ |
| 7) $\{-3, 1\}$ | 18) $\{4, 1\}$ | 29) $\{4, -2\}$ |
| 8) $\{4, 4\}$ | 19) $\{-3, 4\}$ | 30) $\{1, 4\}$ |
| 9) $\{-3, -1\}$ | 20) $\{2, -1\}$ | |
| 10) No Solution | 21) $\{3, 2\}$ | |
| 11) $\{3, -4\}$ | 22) $\{-4, -4\}$ | |



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