

4.1 Practice - Graphing

Solve each equation by graphing.

1) $y = -x + 1$
 $y = -5x - 3$

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

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

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

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

11) $x + 3y = -9$
 $5x + 3y = 3$

13) $x - y = 4$
 $2x + y = -1$

15) $2x + 3y = -6$
 $2x + y = 2$

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

19) $2x + y = -2$
 $x + 3y = 9$

21) $0 = -6x - 9y + 36$
 $12 = 6x - 3y$

23) $2x - y = -1$
 $0 = -2x - y - 3$

25) $3 + y = -x$
 $-4 - 6x = -y$

27) $-y + 7x = 4$
 $-y - 3 + 7x = 0$

29) $-12 + x = 4y$
 $12 - 5x = 4y$

2) $y = -\frac{5}{4}x - 2$
 $y = -\frac{1}{4}x + 2$

4) $y = -x - 2$
 $y = \frac{2}{3}x + 3$

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

8) $y = 2x - 4$
 $y = \frac{1}{2}x + 2$

10) $y = \frac{1}{2}x + 4$
 $y = \frac{1}{2}x + 1$

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

14) $6x + y = -3$
 $x + y = 2$

16) $3x + 2y = 2$
 $3x + 2y = -6$

18) $x + 2y = 6$
 $5x - 4y = 16$

20) $x - y = 3$
 $5x + 2y = 8$

22) $-2y + x = 4$
 $2 = -x + \frac{1}{2}y$

24) $-2y = -4 - x$
 $-2y = -5x + 4$

26) $16 = -x - 4y$
 $-2x = -4 - 4y$

28) $-4 + y = x$
 $x + 2 = -y$

30) $-5x + 1 = -y$
 $-y + x = -3$



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Answers - Graphing

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|-----------------|-----------------|-----------------|
| 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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