

Solving Quadratic Equations by Graphing

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Solve each equation by graphing.

1) $y = x^2 - 3x + 2$

2) $y = x^2 - 14x + 48$

3) $y = x^2 + 2x - 48$

4) $y = -x^2 - 7x - 6$

Solve each equation by graphing. (Make sure to set it equal to 0 first.)

5) $k^2 - 11k + 24 = 0$

6) $x^2 - 5x - 14 = 0$

7) $n^2 - n - 30 = 0$

8) $a^2 - 7a = 0$

9) $x^2 - 11x + 19 = -5$

10) $m^2 - 5m + 4 = -2$

11) $x^2 + x - 52 = 4$

12) $n^2 + 3 = 4$

13) $5p^2 - 18p - 27 = 8$

14) $6n^2 + 11n + 2 = 4$

15) $2x^2 - 5x - 8 = -8$

16) $6b^2 + 5b - 27 = -6$

17) $2n^2 - 3n = 2$

18) $11r^2 - 7r + 5 = 8r^2 + 5$

19) $7x^2 - 30 = -37x$

20) $7b^2 + 33b - 30 = 4b$

Answers to Lesson 2- Solving Quadratics by Graphing (ID: 1)

1) 1, 2

5) $\{3, 8\}$

9) $\{3, 8\}$

13) $\left\{-\frac{7}{5}, 5\right\}$

17) $\left\{-\frac{1}{2}, 2\right\}$

2) 6, 8

6) $\{7, -2\}$

10) $\{3, 2\}$

14) $\left\{\frac{1}{6}, -2\right\}$

18) $\left\{\frac{7}{3}, 0\right\}$

3) 6, -8

7) $\{-5, 6\}$

11) $\{7, -8\}$

15) $\left\{\frac{5}{2}, 0\right\}$

19) $\left\{\frac{5}{7}, -6\right\}$

4) -1, -6

8) $\{7, 0\}$

12) $\{-1, 1\}$

16) $\left\{-\frac{7}{3}, \frac{3}{2}\right\}$

20) $\left\{\frac{6}{7}, -5\right\}$