

Solving Quadratics by Graphing!

Date _____ Period _____

CLASS EXAMPLE: Solve each equation by graphing.

1) $2v^2 - 72 = 0$

2) $10r^2 - 5r + 10 = 0$

Solve each equation by graphing.

3) $4v^2 - v + 8 = 0$

4) $4n^2 + 8n + 4 = 0$

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

6) $2n^2 + 3n - 14 = 0$

7) $4v^2 - 8v + 4 = 0$

8) $x^2 - 3x - 4 = 0$

9) $x^2 - 16 = 0$

10) $6r^2 - 5r + 3 = 0$

CLASS EXAMPLE: Solve each equation by graphing.

11) $-4x^2 - 4x + 140 = -3$

12) $x^2 + 6x + 2 = -7$

Solve each equation by graphing.

13) $4a^2 + 8a - 25 = 7$

14) $-p^2 - 8p - 15 = -3$

15) $-2b^2 + 2b + 53 = -7$

16) $5x^2 - 7x + 11 = 6$

17) $4n^2 - 4n - 11 = 4$

18) $x^2 + 3x - 46 = 8$

Answers to Solving Quadratics by Graphing! (ID: 1)

1) $\{6, -6\}$

9) $\{4, -4\}$

17) $\{2.5, -1.5\}$

3) No solution.

11) $\{-6.5, 5.5\}$

5) $\{1, -1\}$

13) $\{2, -4\}$

7) $\{1\}$

15) $\{-5, 6\}$