

# Quadratic Equations Answer Key

## *Off the Quadratic Formula and on Quadratic Solids*

For each equation, solve using the quadratic formula.

1.  $5x^2 + 3x + 7 = 0$

No real solution

6.  $u^2 - 2u - 15 = 0$

-3, 5

2.  $4x^2 - 2x = 9$

1.8 or -1.3

7.  $12v^2 - 25v + 12 = 0$

0.75, 1.333

3.  $x^2 - 4x + 3 = 0$

3, 1

8.  $4y^2 - 7y - 2 = 0$

-0.25, 2

4.  $8x^2 = 1$

$\pm \frac{\sqrt{2}}{4}$

9.  $8z^2 + 4z = 11$

0.95, -1.45

5.  $9y^2 + 3y = 0$

0,  $-\frac{1}{3}$

10.  $2x^2 - 13x - 7 = 0$

-0.5, 7

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