

Name: \_\_\_\_\_

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Solving Quadratic Equations with Square Roots

Date: \_\_\_\_\_ Period: \_\_\_\_\_

Solve each equation by taking square roots.

1.  $x^2 = 75$

2.  $x^2 = 100$

3.  $x^2 = 20$

4.  $x^2 = 4$

5.  $x^2 + 8 = 20$

6.  $2x^2 = -100$

7.  $-3x^2 = -100$

8.  $5x^2 = -25$

9.  $x^2 + 7 = -20$

10.  $-2x^2 = -100$

11.  $-3x^2 = -100$

12.  $-2x^2 = -100$

13.  $x^2 - 8 = 20$

14.  $3x^2 = 48$