Name:

Date:

Solving Quadratic Equations

Solve each equation by factoring or by using the quadratic formula.

1) $x^2 + 15x = -56$

2) $7x^2 - 6x + 3 = 3$

3) $10x^2 - 26x = -12$

4) $6x^2 - 18x - 18 = 6$

5) $x^2 + x - 20 = 2x$

6) $2x^2 - 14 = -3x$

7) $2x^2 - 22x + 38 = -10$

8) $15x^2 + 80 = -80x$

9) $x^2 + 8x = -15$

10) $10x^2 = 27x - 18$

Answer Key - www.testinar.com

Scan me for more PRACTICE
testinar.com/t/?c=16

1) $x^2 + 15x = -56$

$\{-8, -7\}$

2) $7x^2 - 6x + 3 = 3$

$\{\frac{6}{7}, 0\}$

3) $10x^2 - 26x = -12$

$\{\frac{3}{5}, 2\}$

4) $6x^2 - 18x - 18 = 6$

$\{4, -1\}$

5) $x^2 + x - 20 = 2x$

$\{5, -4\}$

6) $2x^2 - 14 = -3x$

$\{-\frac{7}{2}, 2\}$

7) $2x^2 - 22x + 38 = -10$

$\{3, 8\}$

8) $15x^2 + 80 = -80x$

$\{-\frac{4}{3}, -4\}$

9) $x^2 + 8x = -15$

$\{-5, -3\}$

10) $10x^2 = 27x - 18$

$\{\frac{6}{5}, \frac{3}{2}\}$