

# Solving Quadratic Equations

Solve the following.

1  $x^2 + 7x + 15 = 5$

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

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3  $3x^2 = -16x - 21$

\_\_\_\_\_

4  $x^2 + 15x = -56$

\_\_\_\_\_

5  $3x^2 + 14x - 49 = 0$

\_\_\_\_\_

6  $x^2 + 6x - 10 = 30$

\_\_\_\_\_

7  $4x^2 + 2x = 12$

\_\_\_\_\_

8  $6x^2 - 42x + 72 = 0$

\_\_\_\_\_

9  $10x^2 - 26x = -12$

\_\_\_\_\_

10  $x^2 - 11x + 19 = -5$

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# Solving Quadratic Equations

## Answers

1  $x^2 + 7x + 15 = 5$

$(-2, -5)$

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

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

3  $3x^2 = -16x - 21$

$(-\frac{7}{3}, -3)$

4  $x^2 + 15x = -56$

$(-8, -7)$

5  $3x^2 + 14x - 49 = 0$

$(\frac{7}{3}, -7)$

6  $x^2 + 6x - 10 = 30$

$(4, -10)$

7  $4x^2 + 2x = 12$

$(-2, \frac{3}{2})$

8  $6x^2 - 42x + 72 = 0$

$(3, 4)$

9  $10x^2 - 26x = -12$

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

10  $x^2 - 11x + 19 = -5$

$(3, 8)$