



Name: _____

Date: _____

Solve each quadratic equation.

Solve for x. Show your work.

1. $x^2 + 8x + 16 = 0$

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

3. Solve by factoring: $2x^2 - 1x - 3 = 0$

4. Solve by factoring: $3x^2 + 9x + 6 = 0$

5. $4x^2 = 32$

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

7. Solve by factoring: $2x^2 - 1x + 0 = 0$

8. $x^2 - 5x + 6 = 0$



Solve each quadratic equation. – Answer Key

1. $x^2 + 8x + 16 = 0$

$x = -4$

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

$x = 1$ or $x = 3$

3. Solve by factoring: $2x^2 - 1x - 3 = 0$

$x = -1$ or $x = 1.50$

4. Solve by factoring: $3x^2 + 9x + 6 = 0$

$x = -2$ or $x = -1$

5. $4x^2 = 32$

$x = \pm\sqrt{8}$

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

$x = -2.50$ or $x = -1.50$

7. Solve by factoring: $2x^2 - 1x + 0 = 0$

$x = 0$ or $x = 0.50$

8. $x^2 - 5x + 6 = 0$

$x = 2$ or $x = 3$