

Solving Quadratic Equations by Finding Square Roots (9E)**Zero Product Property –****Solving Equations in Factored Form:** Solve the equation.

1) $2x(3x+8)=0$

2) $(x+6)(x-6)$

3)

4)

Solving Equations in Standard Form by Factoring: Solve the equation.

5) $25x^2 - 81 = 0$

6) $x^2 + 6x - 72 = 0$

7) $3x^2 - 17x + 10 = 0$

8) $5x^2 - 25x = 0$

Standard Form of a Quadratic Equation –

Writing an Equation in Standard Form: Write the equation in standard form and identify a, b, and c.

9) $5x^2 + 6x - 4 = 3 + x^2 - 2x$

10) $3x + 2 = 2x^2 + 3x - 9$

Solving Equations Not in Standard Form: Solve the equation.

11) $7x^2 - x = -13x^2 + 14x$

12) $5x^2 + 6 = x^2 + 15$

13) $x^2 - 4x = 3x - 10$

14) $7x^2 + 4x = 9x^2 - x - 18$