

Solving Quadratic Equations by Finding Square Roots (10.4)**Prior Knowledge:** Solve the equation.

A) $3x - 6 = 0$

B) $\frac{1}{3}a - 12 = 15$

C) $3z - 18 = -18$

D) $25c + 11 = 15$

Solving Equations: Solve the equation.

1) $2x^2 - 32 = 0$

2) $a^2 + 8 = 3$

3)

4)

Simplest Radical Form and Approximating Square Roots: Solve the equation. Write the solution in simplest radical form AND round the solutions to the nearest hundredth.

5) $2a^2 - 9 = 11$

6) $-21 = 15 - 2z^2$

7)

8)

Solving Equations: Solve the equation. Write the solution in simplest radical form AND then round the solutions to the nearest hundredth.

9) $5(a-2)^2 = 70$

10) $3 = \frac{1}{2}(c-8)^2$

11)

12)