NAME

Module 13 Solving Quadratic Equations of One Variable

Lesson 2 Solving Quadratic Equations by Evaluating Square Roots

guided practice

Set 1

1. Solve: $x^2 = 144$

{12, –12}

2. Solve: $2x^2 = 28$

$\{\sqrt{14}, -\sqrt{14}\}$

3. Solve: $3x^2 + 8 = 2$

$\varnothing$

Set 2

1. Solve: $(x + 6)^2 = 9$

{–3, –9}

2. Solve: $2(x - 4)^2 - 2 = 4$

$\{4 + \sqrt{3}, 4 - \sqrt{3}\}$

3. Solve: $5(x - 3)^2 - 1 = -1$

{3}

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