

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Module 13** Solving Quadratic Equations  
of One Variable

**Lesson 2** Solving Quadratic Equations  
by Evaluating Square Roots



**guided  
notes**

### Lesson Objectives

- Solve quadratic equations of the form  $ax^2 = k$  by evaluating square roots.
- Solve quadratic equations of the form  $(x + a)^2 = k$  by evaluating square roots.

A solution to an equation is also called a \_\_\_\_\_.

A quadratic equation can have \_\_\_\_\_ real roots.

1 Solve:  $3x^2 - 10 = 65$

\_\_\_\_\_

2 Solve:  $2(x + 2)^2 + 25 = 25$

\_\_\_\_\_

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

\_\_\_\_\_

