

NAME _____

DATE _____

Module 13 Solving Quadratic Equations
of One Variable

Lesson 3 Solving Quadratic Equations
by Factoring



**guided
notes**

Lesson Objective

- Solve quadratic equations by factoring.

The *Zero Product Property* says if $ab = 0$, then _____

or _____.

To solve a quadratic equation by factoring:

- Make one side of the equation equal to _____.
- _____.
- Set each factor equal to _____.
- _____ each equation separately.

1 **Solve:** $(x - 8)(x + 2) = 0$

2 **Solve:** $3x^2 + 7x - 10 = -4$

3 **Solve:** $2x^2 - 7x = 3x$

