

## Examples and Questions

Examples 1 Q: How is using Distributive Property helpful when factoring a quadratic expression?

Examples 2 Q: How does the graph verify the values of the zeros of a function?

Examples 3 Q: Why is it important to write the equation in factored form to solve?

Examples 4 Q: Why is it helpful to factor out the GCF as a step in finding the zeros?

Q: Why is one of the zeros of the function not a valid solution in the context of the situation?

## Examples 5

Q: How can a function be both positive and negative? Explain algebraically and graphically. Q: Why is it important to identify positive and negative intervals of a function?

## Examples 6

Q: Why is it necessary to use a point other than the x-intercepts to write an equation for a parabola?

Q: Why are you given 3 points to determine the equation instead of 2?

## Practice and Problem Solving

Complete MathXL for School: Practice and Problem Solving (online) Complete MathXL for School: Mixed Review (online)

Challenge: #10, 15, 39, 41, 42, 45 – key will be posted in Power School Learning.

Lesson Quiz 2.3