

Examples & Questions

Examples 1

Q: Why do you use absolute value in the solution process?

Examples 2

Q: How does the diagram help you visualize completing the squares? Q: Why is 16 added to each side of the equation? Q: Why is completing the square useful?

Examples 3

Q: How do you know that you need to complete the square to solve the equation? Q: How could you check to make sure you completed the square correctly?

Q: What types of solutions does this equation have? Explain.

Examples 4

Q: How are the formulas for the perimeter and the area of a rectangle related? Q: Could the formula for perimeter *I* have been solved for rather than for *w*? Q: Why are there two values for the length of the pen?

Examples 5

Q: How do you know if the function will have a minimum or maximum value? Q: Why was 2(6.25) subtracted from the left side?

Practice and Problem Solving

Complete MathXL for School: Additional Practice (online) Complete MathXL for School: Enrichment (online)

Challenge: #14, 15, 16, 54 – key will be posted in Power School Learning.

Lesson Quiz 2.5