

Examples & Questions

## Examples 1

Q: How does the variable a affects the graph in relation to the parent function?

## Examples 2

Q: how do *a*, *h*, *k* affect the domain and range of a quadratic function in vertex form?

Q: In what order should you apply the transformations?

Examples 3

Q: Do you have to use both the vertex and the y-intercept to write the equation of a parabola?

Q: Why is the y-intercept a good point to use in this example?

Examples 4

Q: What can you learn about the values of a, b, and c by looking at the graph? Q: What does the ball start with a height of 4?

Practice and Problem Solving

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

Challenge: #2, 15, 35, 38 – key will be posted in Power School Learning.

Lesson Quiz 2.1