

Determining the Domain and Range for Quadratic Functions

Name:

Date:

Vocabulary Review:

In your own words, define each of the following vocabulary terms.

- Quadratic Function

- Parabola

- Domain

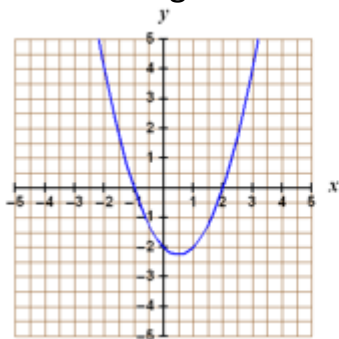
- Range

Apply New Learning:

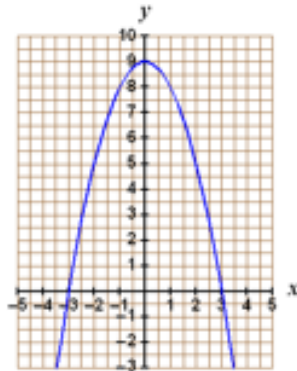
1. Summarize the process of finding the domain and range of a quadratic function given its graph. What should you look for?

2. Summarize the process of finding the domain and range of a quadratic function given a verbal statement. What should you keep in mind?

3. Find the domain and range of the following graph.



4. Find the domain and range of the following graph.



5. A ball's height as a function of how long it spends in the air can be modeled by the equation $h = -16t^2 + 160t$. Find the domain and range for this situation.