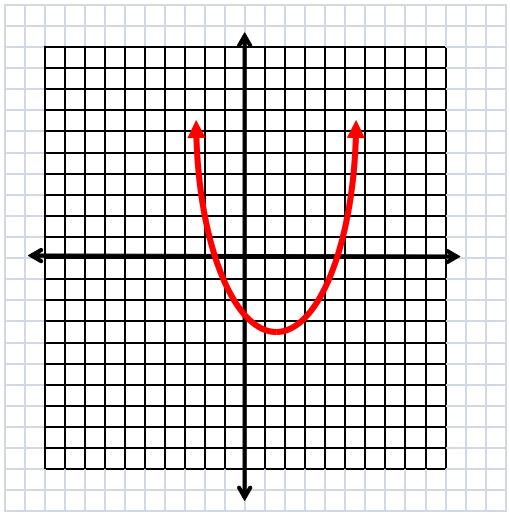
Simplifying Expressions Assessment: Answer Key

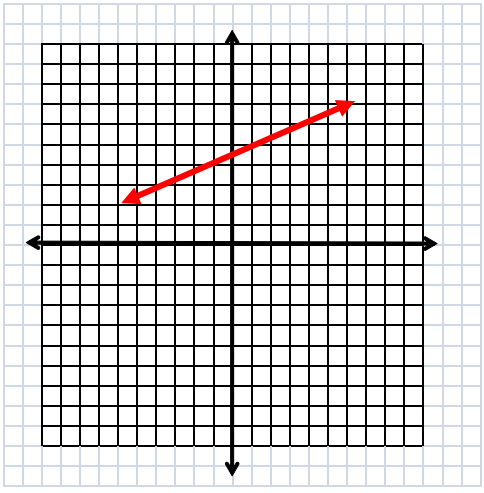
1. What type of function does the graph show?
   a. Linear
   b. Exponential
   c. Quadratic
   d. None of the above



Correct feedback: Yes, the answer is quadratic.

Incorrect feedback: Sorry, the answer is quadratic. Please review the quadratic functions PowerPoint.

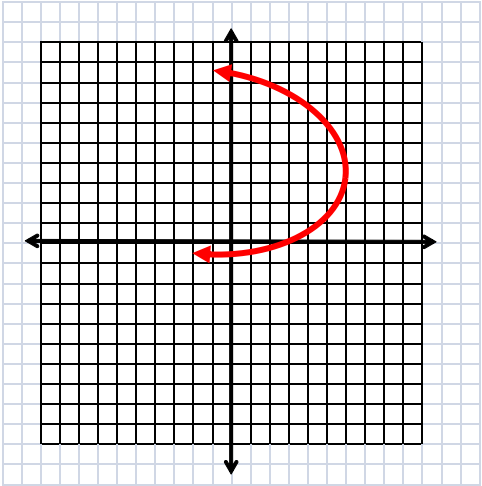
2. What type of function does the graph show?
   a. Linear
   b. Exponential
   c. Quadratic
   d. None of the above



Correct feedback: Yes, the answer is linear.

Incorrect feedback: Sorry, the answer is linear. Please review the linear functions PowerPoint presentation.

3. What type of function does the graph show?
   a. Linear
   b. Exponential
   c. Quadratic
   d. None of the above



Correct feedback: Yes, the answer is none of the above.

Incorrect feedback: Sorry, the answer is none of the above. Please review the What is a Function slides on any PowerPoint in this module.

4. What are two methods for determining if an equation is a function?
   a. Create a table, determine output for various input, and graph
   b. Vertical line test
   c. Find the slope
   d. A and B

Correct feedback: Yes, the answer is A and B.

Incorrect feedback: Sorry, the answer is A and B. Please review the What is a Function slides on any of the PowerPoint presentations.

5. What is the standard formula for an exponential function?

a. $f(x) = ax + b$
b. $f(x) = 2^x$
c. $f(x) = x^2$
d. None of the above

Correct feedback: Yes, the answer is $f(x) = 2^x$

Incorrect feedback: Sorry, the answer is $f(x) = 2^x$. Please review exponential functions PowerPoint.