

Moving on the Graph

Name _____

Write an equation you think will satisfy each of the conditions below.
Test your hypothesis with a calculator.

1. What do you do to the equation $y = x$ to make its graph steeper?

Write two examples of such equations.

2. What do you do to the equation $y = x$ to make its graph flatter?

Write two examples of such equations.

3. What do you do to the equation $y = x$ to make its graph move up on the y -axis?

Write two examples of such equations.

4. What do you do to the equation $y = x$ to make its graph move down on the y -axis?

Write two examples of such equations.

5. What do you do to the equation $y = x$ to make its graph go through the second and fourth quadrants?

Write two examples of such equations.