**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Math 8: Different Representations of Linear Equations**

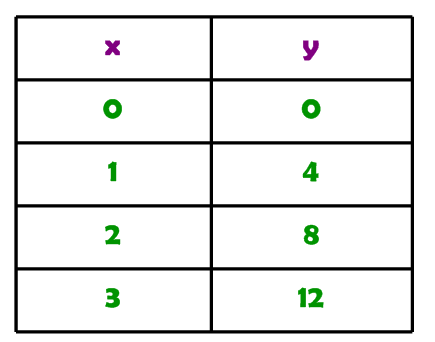
***Directions: Fill in the blanks below as you watch the video.***

When comparing different representations, look at the \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for each one.

**Example 1:**

Does the table below represent the linear function y = 4x?

**Equation:**



slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_\_

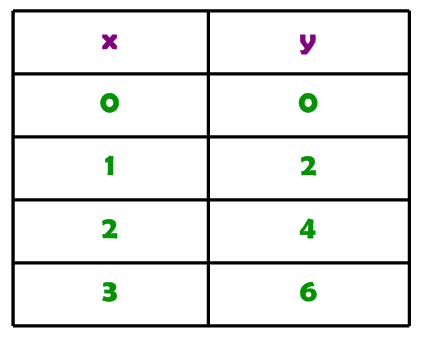
**Table:**

slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_\_

**You Try 1:**

Does the table below represent the linear function y = 2x – 1?



**Equation:**

slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_\_

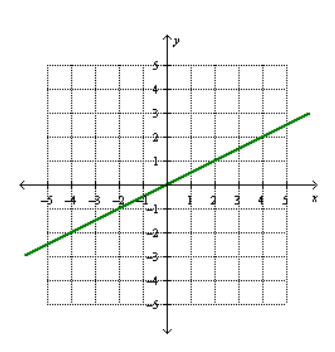
**Table:**

slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_\_

**Example 2:**

Does the graph represent the linear function y = 4x?



**Equation:**

slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_\_

**Graph:**

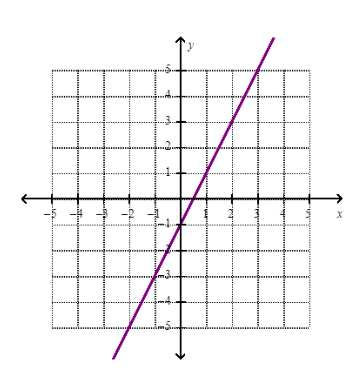
slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_\_

**You Try 2:**

Does the graph below represent the linear function y = 2x - 1?

**Equation:**



slope = \_\_\_\_\_\_\_\_\_

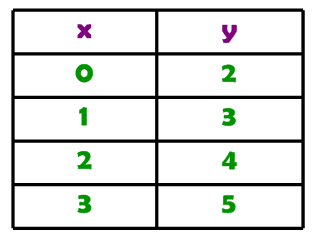
y-intercept = \_\_\_\_\_\_\_\_

**Graph:**

slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_\_

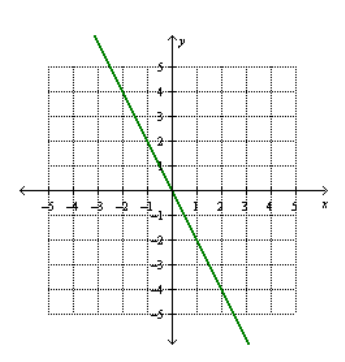
**Example 3:** Do the table and graph represent the same linear function?



**Table:**

slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_



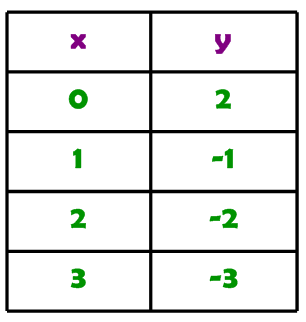
**Graph:**

slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_\_

**You Try 3:**

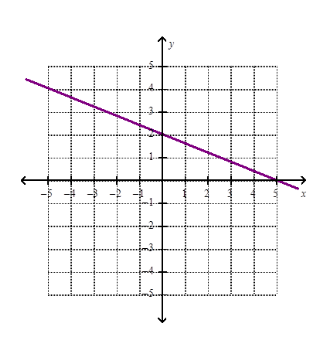
Do the table and graph represent the same linear function?



**Table:**

slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_



**Graph:**

slope = \_\_\_\_\_\_\_\_\_

y-intercept = \_\_\_\_\_\_\_\_