**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 = \_\_\_\_\_\_\_\_