

Name \_\_\_\_\_

Date \_\_\_\_\_

## Functions versus Relations (Solutions Included)- Guided Lesson

Complete the following problems:

1) Determine if the relation is a function. Make sure to identify the domain and range.

$(8, -10), (5, 2), (4, 7), (3, 9), (5, -7)$

2) Determine if the relation is a function. Make sure to identify the domain and range.

$(-8, 1), (5, 7), (1, 3), (10, -0)$

3)  $y=8x+4$

Is there a value of  $x$  that maps to more than one  $y$ ? if needed, check with vertical line test. The vertical line represents  $x$ - values. If the lines do not hit the graph more than once the relations are functions.

The domain is the  $x$ -values. The line is continuous in both directions.

The range is the  $y$ -values. The line is continuous in both directions.

