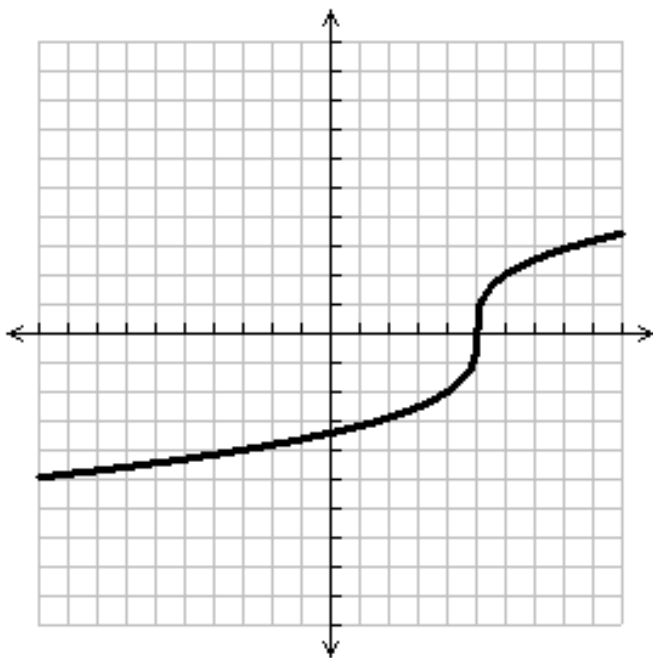


Name \_\_\_\_\_

## Inverses

1. Graph the inverse relation of the function shown below.



2. Explain the method that you used to determine the inverse relation.

Table 1 (Original)	
x	y
-5	6
0	2
1	5
3	0

3. Table 1 (on the left) gives points on a function. Fill in Table 2 with points on the inverse relation of the function.

Table 2 (Inverse)	
x	y

4. Explain how the domains and ranges of a relation and its inverse relation are related. How is this shown in their tables?

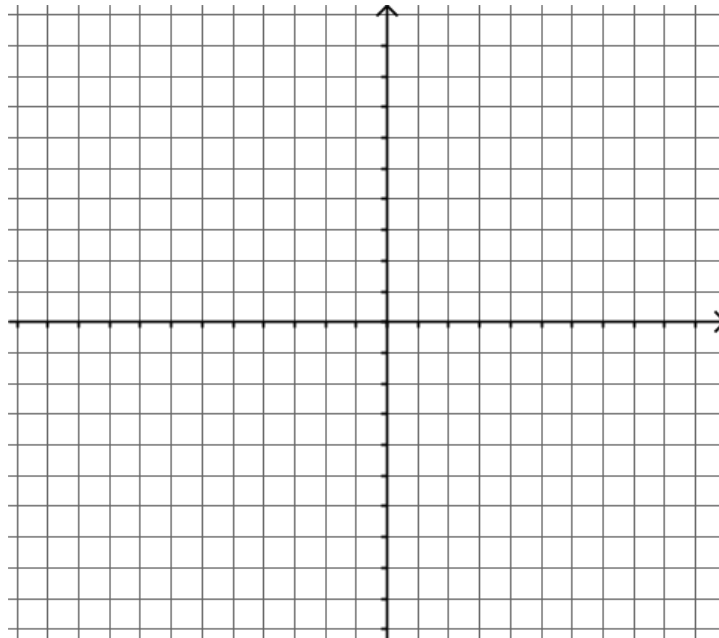
5. Given the function  $y = 3x + 6$ , determine the inverse relation and verbally explain the process.

6. Consider the equation  $y = \frac{2}{3}x - 4$ .

A) Complete a table of values for this function, and use it to graph the equation.

B) Create a table of values for the *inverse* relation of this function. Graph the inverse relation.

A) Original	
$x$	$y$



B) Inverse	
$x$	$y$

7. In slope-intercept form, what is the equation for the *inverse* relation? Is it a function?