Algebra 1

Name_____

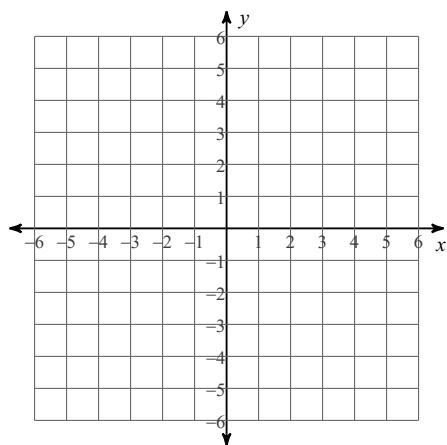# Chapter 4 Review

Date_____ Period_____

Create a table for the function rule. Use -1, 0, 1, 2 for the input values.
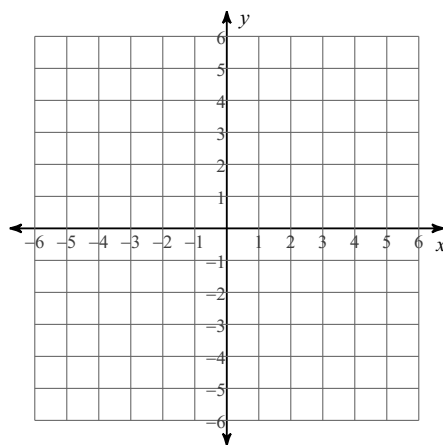
1) $y = -x + 2$

2) $y = 3x - 1$

Create an input and output table for the given rule then graph the line. Use -2, -1, 0, 1 for the input values.
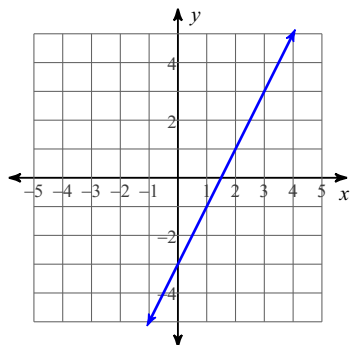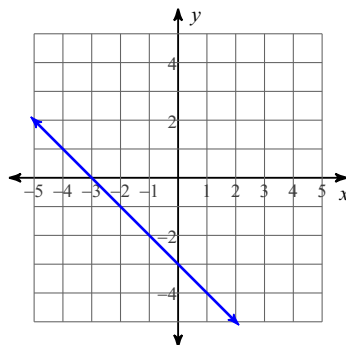
3) $y = x + 4$

4) $y = 3x + 3$

Create a table of points from the given graph then write the function rule. Put the final equation in function notation.
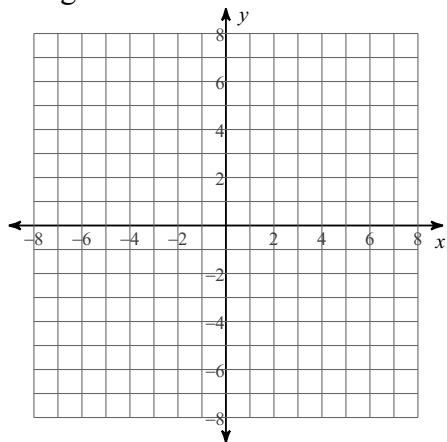
5)

6)

7) What is the domain and range of the following set of relations? Is it a function? Use the veritcal line test to check.
{(-1, 2), (0, 4), (2, -3), (-1, 5), (-2, 0)}

Domain:
Range:

8) What is the domain and range of the following set of relations? Is it a function? Create a mapping diagram to check.
{(5, -2), (4, -2), (0, -2), (3, -2), (-2, -2)}

Domain:
Range:

9) $f(x) = -4x - 8$; what is $f(-5)$?

10) $f(x) = 6x + 4$; what is $f(-3)$?

11) The domain of the given function is {-2, -1, 0, 1, 2}. What is the range?

$f(x) = -2x + 2$

12) Using the vertical line test, determine if the following graphs are functions.

Made with Infinite Algebra 1.