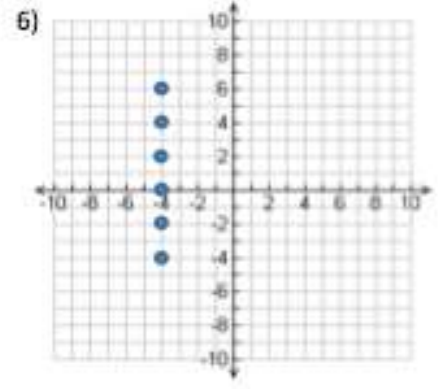## Functions Day 2 HW

For each problem:

> **Say whether or not the relationship is a function or not, and explain why.**

1)

Input	Output
-3	19
1	-5
6	-35
1	-5
9	-53

2) (-4, 8); (6, 8); (0, 8); (-2.5, 8)

3)

4)

5)

6)
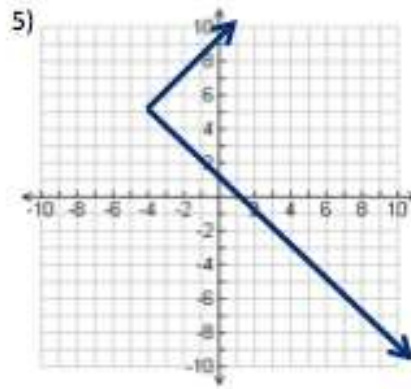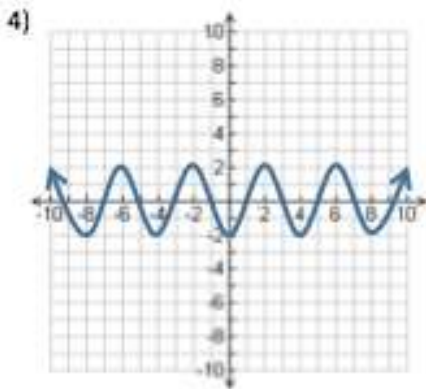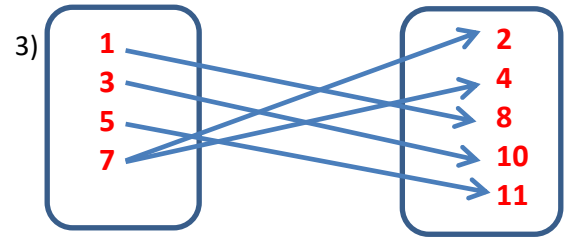
7) Input = Meigs 8th grader; Output = Their student ID number

8) Input = Letter grade; Output = Meigs student who got that grade in math on their report card

9) Input = Meigs teacher; Output = Student who has that teacher for homeroom

**There is a back!**

Use the given functions to find each value. Do NOT use a calculator!

$$a(x) = -5x - 8 \qquad b(x) = 5(x + 2) \qquad c(x) = \frac{x}{5} - 2 \qquad d(x) = 3x^2 - 36 \qquad e(x) = \frac{-x + 4}{2}$$

10) b(10)

11) d(4)

12) a(-10)

13) c(45)

14) e(74)