Multiple Representations of Functions – Practice   Name _____
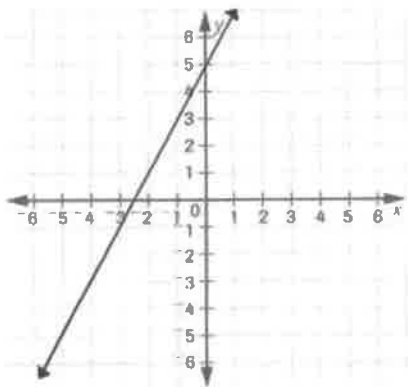
1. What is the slope and y-intercept of the table? Write a function to represent the table.

x	Y
-2	-4
-1	-1
0	2
1	5
2	8

2. A cell phone company charges $89.99 for a new phone and then $19.99 per month. Write a function to represent this situation.
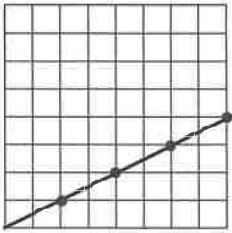
3. Write a function to represent the graph.

4. Joe was given $20 for his birthday. He then saved $10 per week from his allowance. Write a function to represent this situation.

5. Which has the greater rate of change, the graph or the equation?

$$y = 2x + 1$$

6. Which has the greater rate of change, the table or the equation?

x	-9	-6	-3	0	3	6	9
y	-4	-3	-2	-1	0	1	2

y = -2x - 1

7. Which has the greater rate of change, the situation or the equation?

Stephanie climbs two steps at a time.   y = -2x + 5

8. What is the slope and y-intercept of the table? Write a function to represent the table.

X	y
-2	-6
-1	-5
0	-4
1	-3
2	-2

9. A plumber charges $75 for an initial house call and then $150 per hour. Write a function to represent the situation.