Math 8CP Homework
December 10, 2018

Name _____

Per _____ Date _____

Monday:

1. You got a job at the mall that pays $8.50/hr. Graph how much you get paid in a 6 hour period. Make sure all of your points fit on the graph!

2. In your video game you have 400 credits and each hour you lose 70 credits. Graph this situation below. Make sure all of your points fit on the graph!

Table

# of Hours x	Amount Earned y
0	
1	
2	
3	
4	
5	
6	

Graph

Amount Earned in Dollars

Number of Hours

Table

# of Weeks x	Amount (in dollars) y
0	
1	

Graph

Equation or Rule: _____

Describe the rule in words:
_____
_____

Equation or Rule: _____

Describe the rule in words:
_____
_____

What does the slope represent?_____
How much do you make in 10 hours?_____

What does the slope represent?_____
When do you run out of credits?_____

3. Solve:

a. -3(x – 5) = 40

b. 8(x – 2) – 4 = 3x + 3 + 5x

4. Fill in the table and find the rule:

-3	-2	-1	0	1	2	3	100	
-22	-14	-6						242

Rule_____

What is the rate of change?_____

5.
Graph using the slope and y-intercept given this equation:
a. y = 3x – 4   slope_____   y-intercept_____