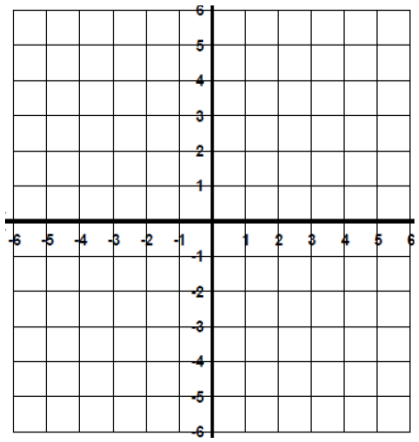
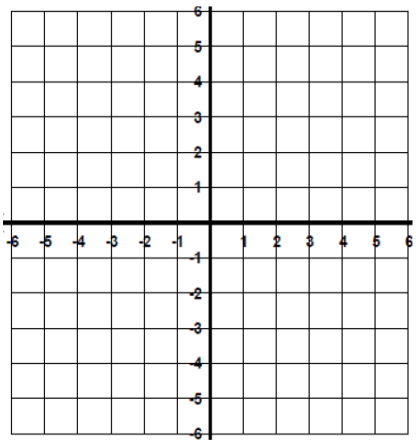
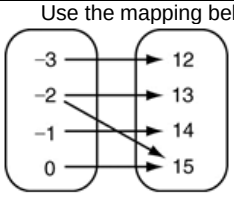
Math Homework Week: 10 Oct. 15-19 Name _____

Monday

Find the slope of the line passing through the two given points: (5, 2) and (5, 9)	Find the slope of the line passing through the two given points: $(4, -2)$ and $(5, -2)$
Find the x and y-intercepts: $6x - 2y = 6$	Find the x and y-intercepts: $2x + 8y = 10$
Graph using intercepts. $3x - y = 6$ 	Graph using intercepts. $2x + 3y = -12$ 

Tuesday

Identify the domain and range of the following function: {(8,7),(4,9),(0,0),(1,17)}	The domain of the function, $y = 2x + 4$ is {3, 5, 6, 8}. Identify the range.
If $f(x) = \frac{5}{2}x + 17$, then find the value of $f(12), f(-4), and\ f(0)$	Describe the type of line and slope given the equation of the line: $y = 8$
The range of a function, $y = \frac{2}{3}x + 1$ is {3, 5, $\frac{17}{3}$, $\frac{23}{3}$}. Identify the domain.	If $f(x) = -2x + 9$, then find the value of the x value that makes $f(x) = -22$
Identify the domain and range of the function: x: 8, 6, 4, 2, 0 y: 8, 6, 4, 6, 8	Use the mapping below to determine if the relation is a function: 

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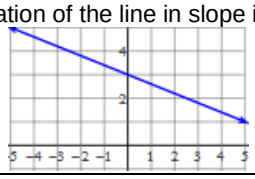
Wednesday

Write the equation of the line in slope intercept form. 	Write the equation of a line in slope intercept form that has a slope of $\frac{5}{8}$ and has a y-intercept of 2.
Write the equation of a line in slope intercept form of a line that has a slope of $-\frac{4}{3}$ and contains (3, –6).	Write the equation of a line in slope intercept form that contains the points (–5,–4) and (–4, –5).

Thursday

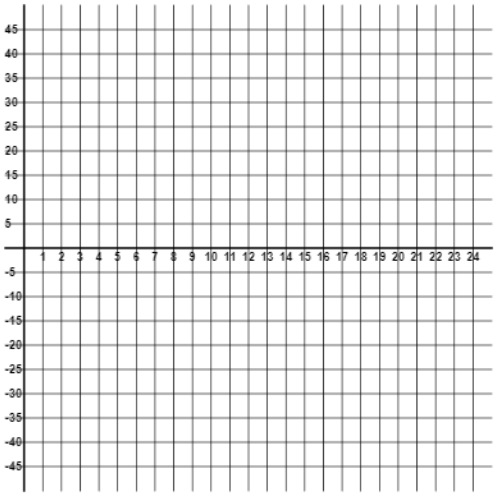
Melinda and Kendall are in charge of the Halloween Dance.
They spend $50 on decorations and charge $5.00 for admission. Write an equation to show their profit, graph the situation, and answer the questions:

Equation: _____

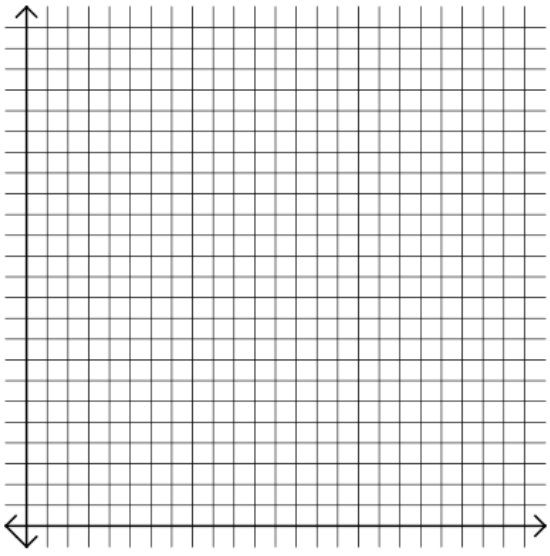
Independent variable: _____Dependent variable:_____

Discrete or continuous? _____

Constraints on the variables?



Nic, Daniel and Eugene are going to help with the dance. Together they have $100 and are going to buy drinks and snacks for the dance. They can get drinks for $2.00 each and Candy Apples for $4.00 each. Write an equation that models the possible combinations of drinks and candy apples they can buy.



Equation:

Discrete or continuous?

Constraints on the variables?