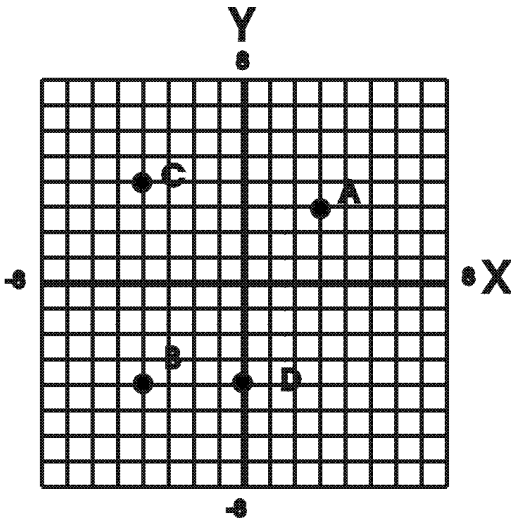
 NAME_____

1. Find the coordinates of points A,B,C and D



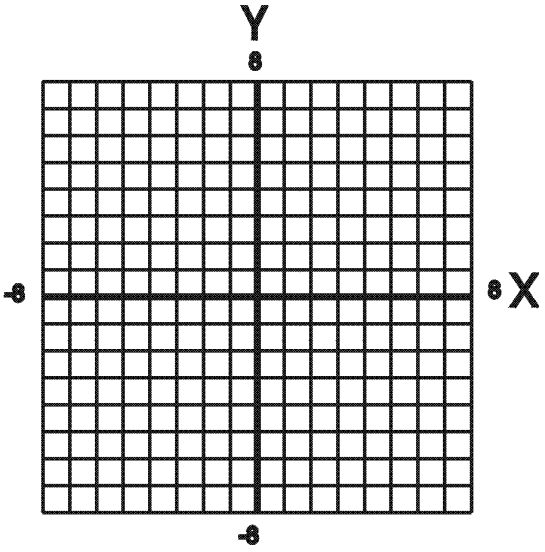
A_____

B_____

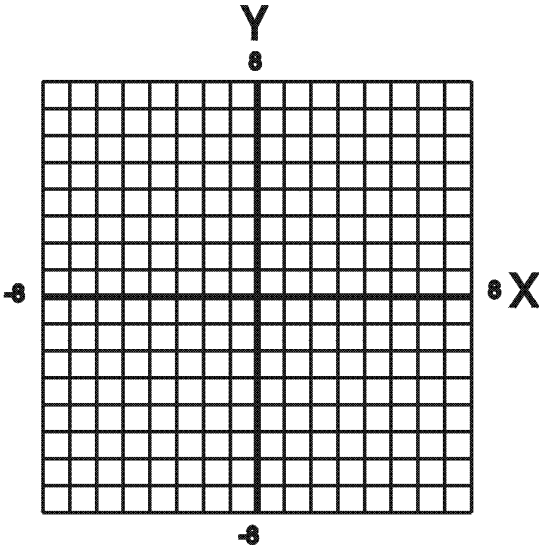
C_____

D_____

2. Plot these points (-4,4); (0,3); (6,0)



3. The points (−1,1), (4,1) and (4,-5) are three points of a rectangle.
Plot the fourth point.



4: In which quadrant is this pair located (−7, −2) ?

5. What do all the points on the vertical axis of a graph have in common?

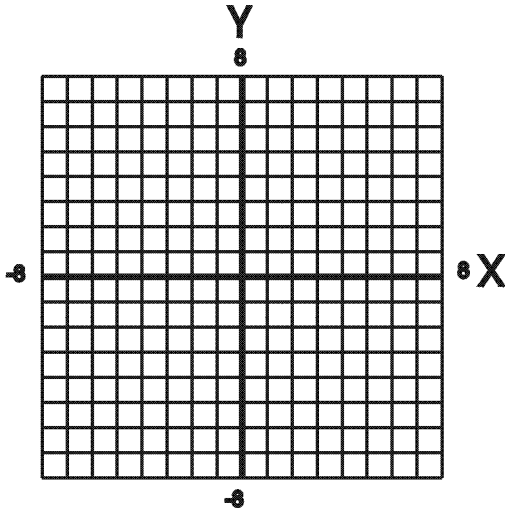
_____
MY PARTNERS

1. Make a table and Graph $y = \frac{1}{2}x$

Does the line pass through the

Origin?_____

X	Y

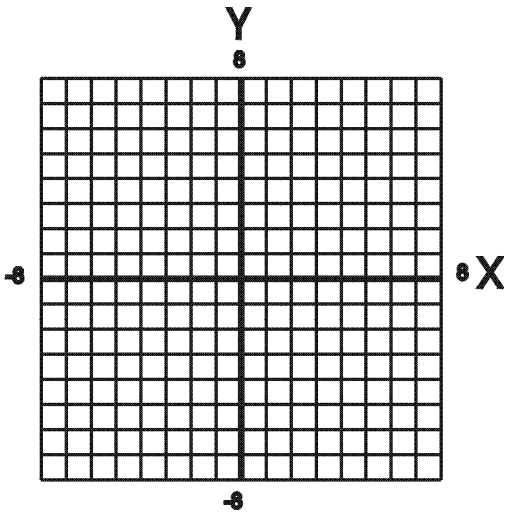


2. Make a table and Graph: $16x - 8y = 32$

Does the line pass through the

Origin?_____

X	Y

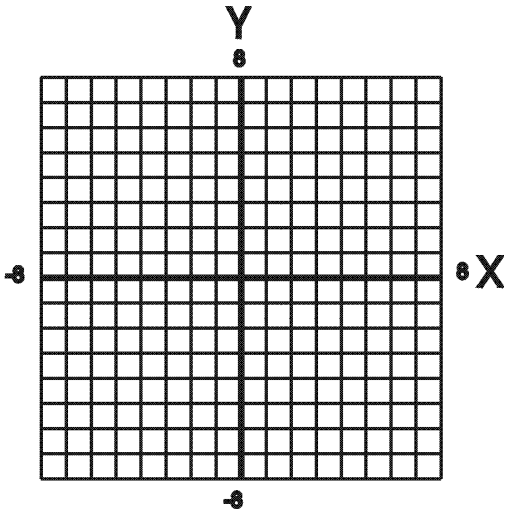


3: Make a table and Graph: $y = 3x - 2$

Does the line pass through the

Origin?_____

X	Y



_____

MY PARTNERS

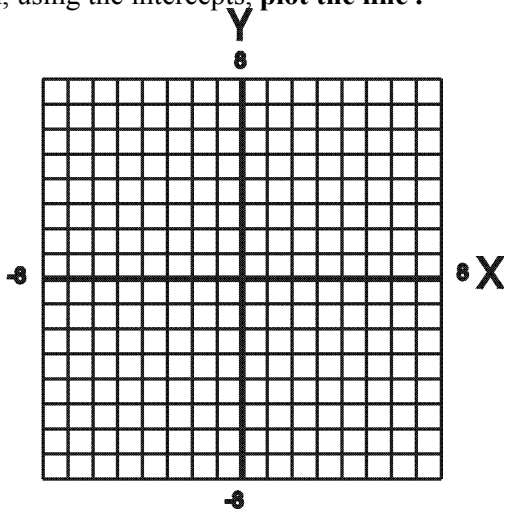
 NAME_____

1: Find the x and y intercepts of this equation then, using the intercepts, **plot the line .**

x + 2y = 6

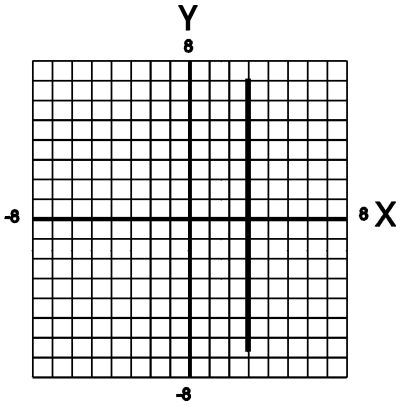
x intercept: _____
(ordered pair)

y intercept: _____
(ordered pair)



2A: What is the x-intercept in this graph?
Write answer as an ordered pair._____

2B: Write the equation for this line._____



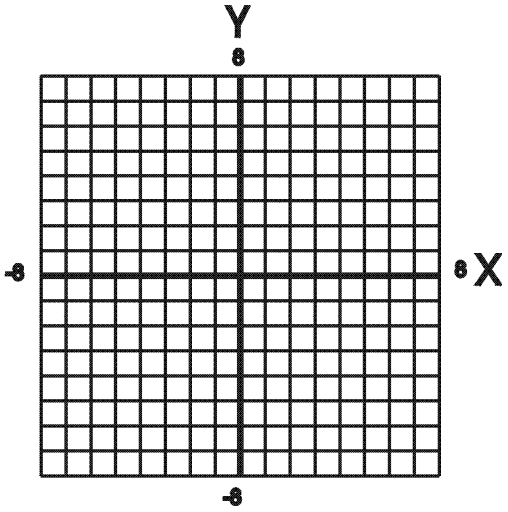
3 :Find the coordinates of the intercepts in this equation 5x + 3y = 15
Do not plot.

x intercept (ordered pair)_____ y intercept (ordered pair)_____

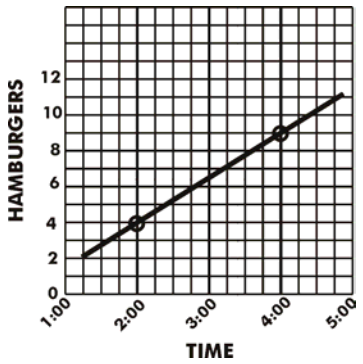
4. A Graph this equation: y = 3

4B:What is the y intercept_____

4C:What is the x intercept_____



1: Four friends throw a beach party where many hamburgers are consumed. Using the graph below,estimate the RATE of hamburger consumption between the times marked by the two circles on the graph.



Rate:_____ Hamburgers/hour

QUESTIONS 2 , 3 AND 4

Late on June 5, Deb rented a Dodge Caravan with a full tank of gas and 13,541 mi on the odometer. On June 8 she returned it with 14,014 mi on the odometer. The rental agency charged Deb $110 for the rental an added 13 gal to the gas tank.

2 Find the rate of gas consumption in miles per gallon_____

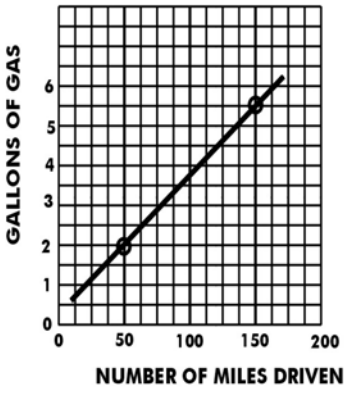
3 Find the rate of travel in miles per day._____

4 Find the average cost in dollars per day_____

5 The following graph shows data for a Honda driven on an interstate highway.What is the rate of gas consumption? How many miles per gallon did the Honda get?

Rate Gas Consumption (gal/mile)_____

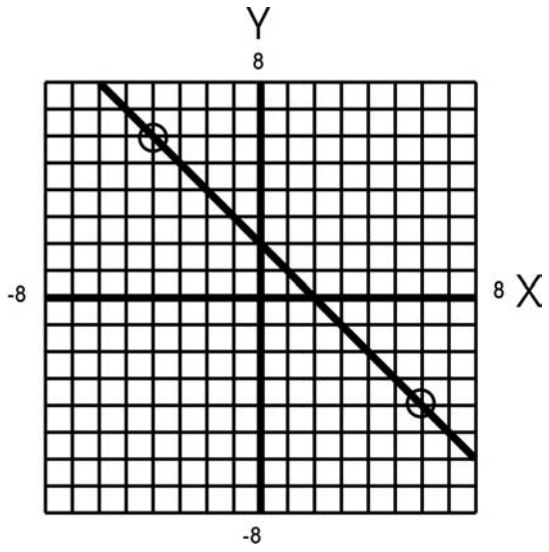
Miles per gallon (Mile/gal)_____



1: Find the slope of the line containing this pair of points: $(3,0)\ and\ (7,2)$

2. What is the SLOPE of the line in the figure to the right
Use the circled points for your calculations.

SLOPE = _____

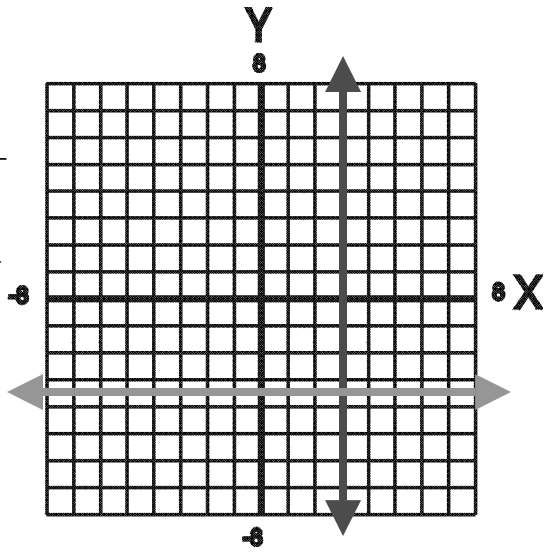


3A: What is the slope of the VERTICAL LINE in this graph?_____

3B: What is the equation for the VERTICAL LINE?_____

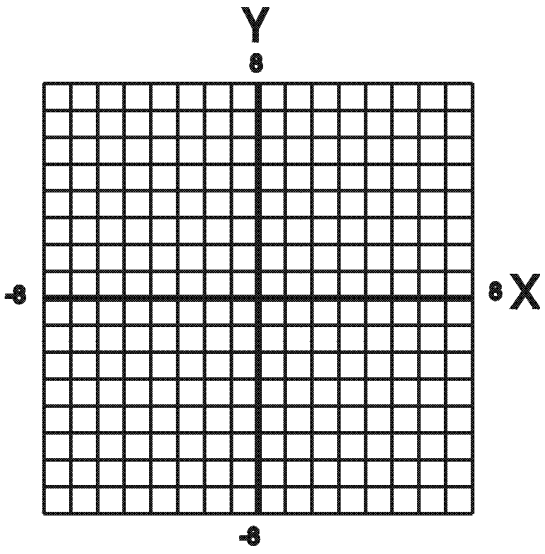
3C What is the slope of the HORIZONTAL LINE?_____

3D What is the equation for the HORIZONTAL LINE?_____



4 Draw a line that has the given characteristics

$Slope: \frac{2}{3}\ \ and\ \ y\text{-intercept}\ \ (0,2)$



1. Write the general form of the slope-intercept equation:

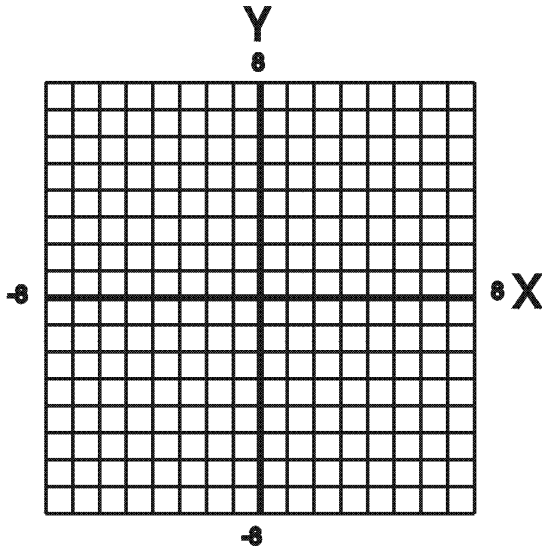
2: Write a slope-intercept equation for this slope and given point: $m = -4; (0,1)$

3: Convert this equation to the slope-intercept form then (1) state the slope and (2) state the Y-intercept:

$$2x + 3y = 9$$

SLOPE_____ Y INTERCEPT_____

4. Graph this equation: $y = \frac{2}{3}x + 2$



MY PARTNERS

1. Write the general form of the POINT-SLOPE equation:

2: Write a POINT-SLOPE equation for this slope and given point: $m = -2; (2,1)$

3: Write an equation for the line through the points $(1,3)$ and $(-2,-3)$

MY PARTNERS