NAME: Slope Intercept Form: y=mx+b



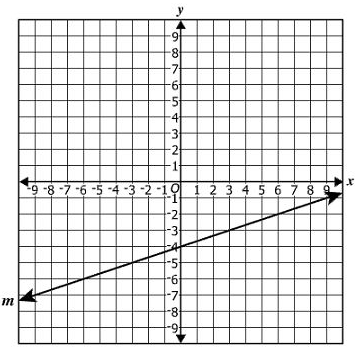
DATE: Standard Form: Ax+By=C

BLOCK: Point-Slope Form: Y-Y1=m(X-X1)

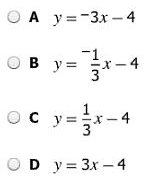
1.When graphing you always 2. When graphing you use the \_\_\_\_\_\_\_\_\_

plot the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to plot your second point.

first.

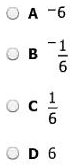


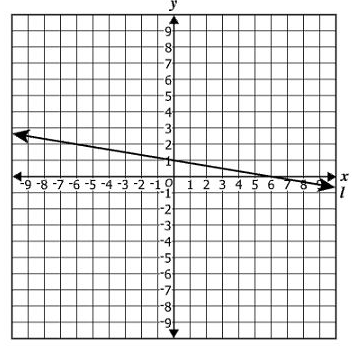
3. Which equation best represents line m?

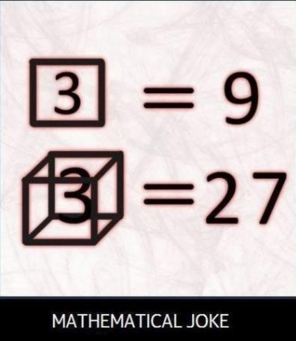




4. Which gives the slope of line l ?







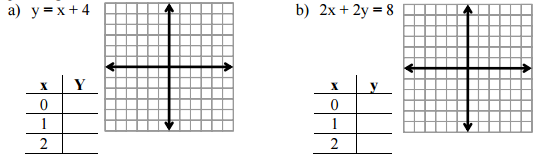
5. Which number is not an element in the domain of this relation?

{(-2, 3), (0, 4), (1, 1), (6, 0)}

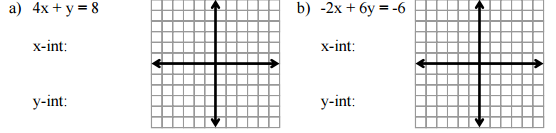


6. Fill out the table and then graph the points to create the line.

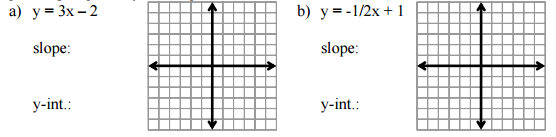




7. Graph using x and y intercepts.



8. Graph using y-intercept and slope.

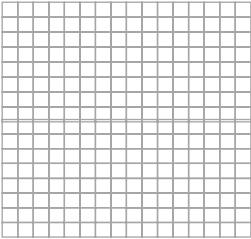


9. You have $20 and spend $2.50 every day on lunch.

a. Write an equation for the amount of money you have.

b. Define the variables: x=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

c. x-intercept=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y-intercept=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



d. slope of the line:\_\_\_\_\_\_\_\_\_

10.

a. Draw the graph for the equation above.

b. Does the graph increase or decrease? Why?