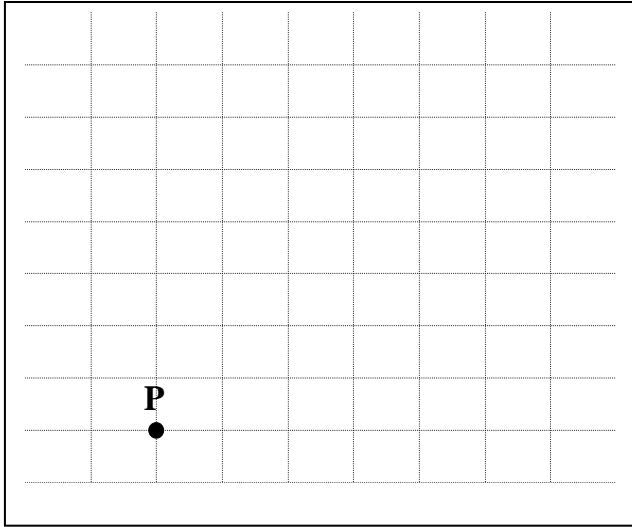


## Graphing Supplement

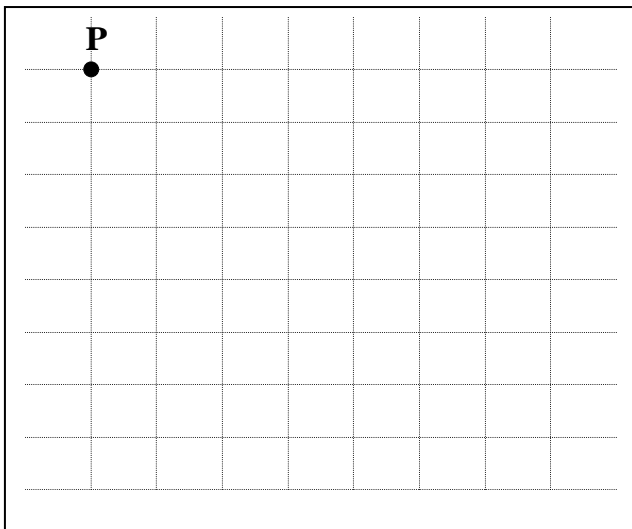
1.) Draw the following lines:

- Draw a line through the point  $p$  that has a slope of  $1/3$ . Label It A.
- Draw a line through the point  $p$  that has a slope of  $1/2$ . Label It B.
- Draw a line through the point  $p$  that has a slope of  $3/2$ . Label It C.
- Draw a line through the point  $p$  that has a slope of  $5/3$ . Label It D.



2.) Draw the following lines:

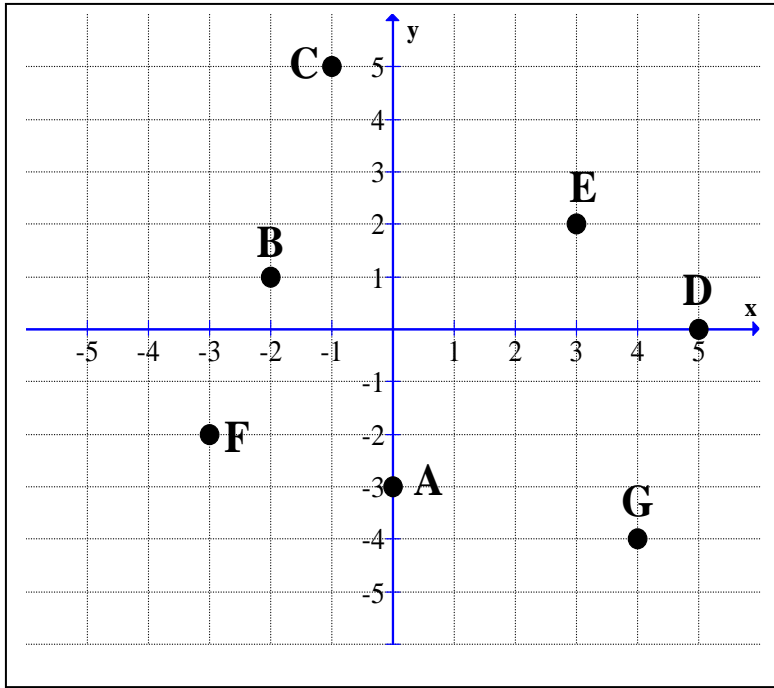
- Draw a line through the point  $p$  that has a slope of  $-1/3$ . Label It A.
- Draw a line through the point  $p$  that has a slope of  $-1/2$ . Label It B.
- Draw a line through the point  $p$  that has a slope of  $-3/2$ . Label It C.
- Draw a line through the point  $p$  that has a slope of  $-5/3$ . Label It D.



3.) The points labeled A through G are

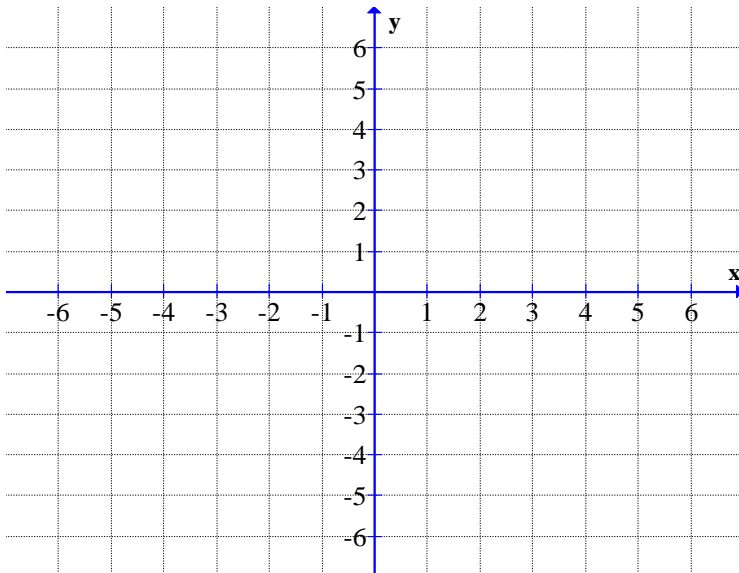
A=(\_\_, \_\_)    B=(\_\_, \_\_)    C=(\_\_, \_\_)    D=(\_\_, \_\_)

E=(\_\_, \_\_)    F=(\_\_, \_\_)    G=(\_\_, \_\_)

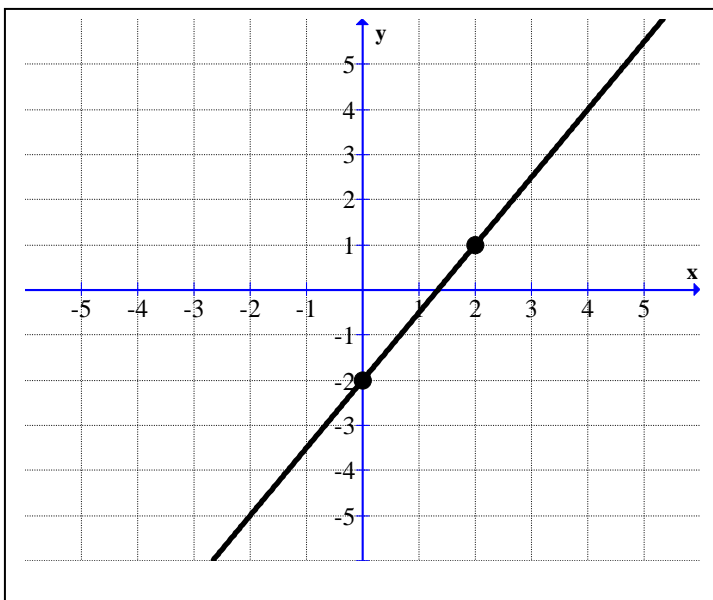


4.) Place the labels in the appropriate space on the graph:

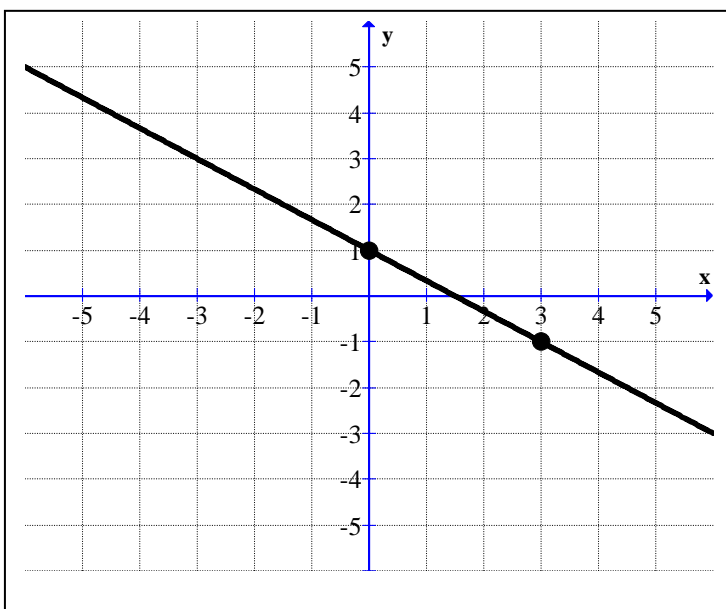
A=(1,1)    B=(2,-1)    C=(-3,2)    D=(-4,-1)    E=(4,0)    F=(3,-2)



- 5.) State the slope of the line:  $m = \underline{\hspace{2cm}}$   
What is the y intercept? Y int = (    ,    )  
What is the equation of the line  $y = \underline{\hspace{2cm}}$



- 6.) State the slope of the line:  $m = \underline{\hspace{2cm}}$   
What is the y intercept? Y int = (    ,    )  
What is the equation of the line  $y = \underline{\hspace{2cm}}$



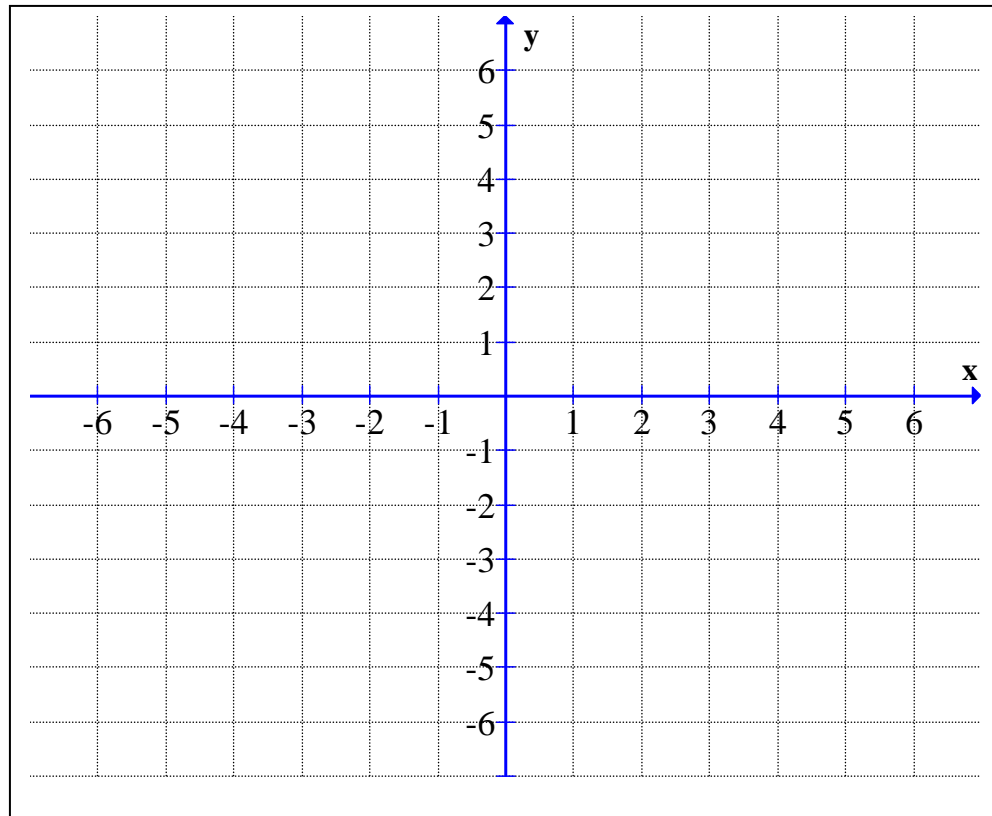
7.) Find the x-intercept and the y-intercept for the following equations, and plot each of the lines on the graph, with the appropriate letter labeling them.

A:  $2x+3y=12$

B:  $5y-4x=20$

C:  $2x-4y=8$

(note in part B,  
the y variable is first.)





10.) Find the following equations:

(a,b,c: use point slope form)

A. Find the equation of the line passing through the points (1,-2) and (-3,2)  $m=$ \_\_\_,  $y=$ \_\_\_\_\_

B. Find the equation of the line passing through the points (3,6) and (2,1)  $m=$ \_\_\_,  $y=$ \_\_\_\_\_

C. Find the equation of the line passing through the points (-1,0) and (0,3)  $m=$ \_\_\_,  $y=$ \_\_\_\_\_

D. Find the equation of the line passing through the point (0,1) with a slope of  $\frac{1}{2}$ ,  $y=$ \_\_\_\_\_ (use slope intercept)

plot and label each of them.

