

1. Find the slope given the following points.

a) $(8, 3), (2, 5)$

b) $(-2, 5), (2, 9)$

c) $(-3, 6), (-3, 4)$

2. Write an equation in slope-intercept form given the following information.

a) $m = -2, b = -3$

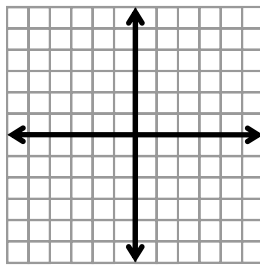
b) $(4, -6), m = 3$

c) $(0, 5), (-2, 0)$

3. Graph using the table below.

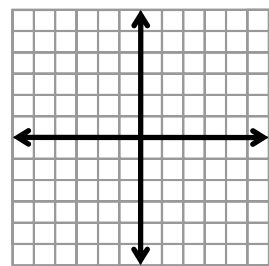
a) $y = x + 4$

x	Y
0	
1	
2	



b) $2x + 2y = 8$

x	y
0	
1	
2	

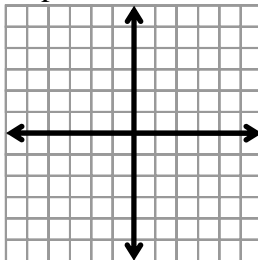


4. Graph using x- and y-intercepts.

a) $4x + y = 8$

x-int:

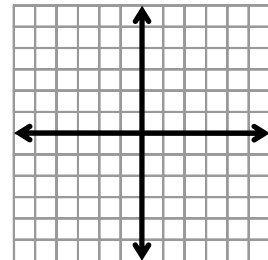
y-int:



b) $-2x + 6y = -6$

x-int:

y-int:

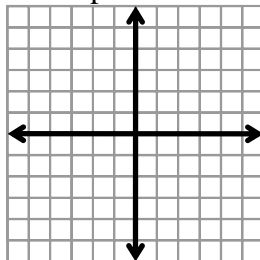


5. Graph using slope and y-intercept.

a) $y = 3x - 2$

slope:

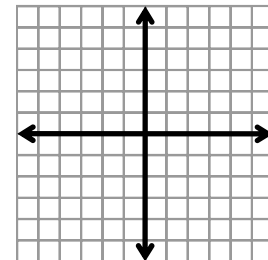
y-int.:



b) $y = -1/2x + 1$

slope:

y-int.:



6. Answer the following questions for the word problem.

We currently have \$50 and spend \$5 a day.

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

b) Define the variables.

X = _____

Y = _____

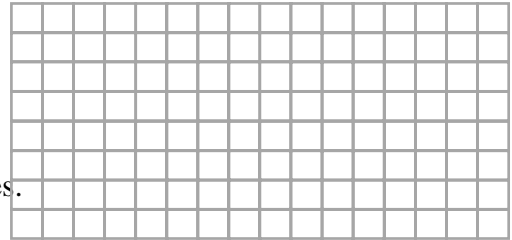
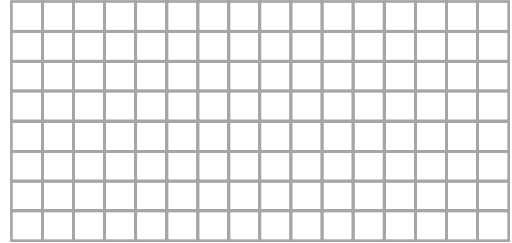
c) Slope = _____

d) Y-intercept = _____

e) Graph using SLOPE-INTERCEPT FORM.

Show the points you used on the graph!!

f) Explain why the equation increases/decreases.



g) How much money did we have 5 days ago?

h) What is our financial situation in 15 days?

7. Answer the following questions for the word problem.

You have \$20 and spend \$2.50 a day for lunch

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

b) Define the variables.

X = _____

Y = _____

c) x-intercept =

y-intercept =

d) Complete the table and draw the graph.

x	y
_____	_____
_____	_____
_____	_____

e) Slope of the line =

f) Does the graph increase or decrease?

