BEGINNING ALGEBRA
CHAPTER 3 Practice Problems

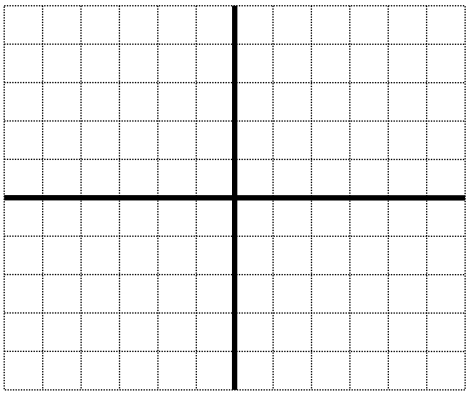
NAME _____
Class Days _____

1. Determine whether or not the point (-5, 4) satisfies the linear equation $4x + y = -12$.

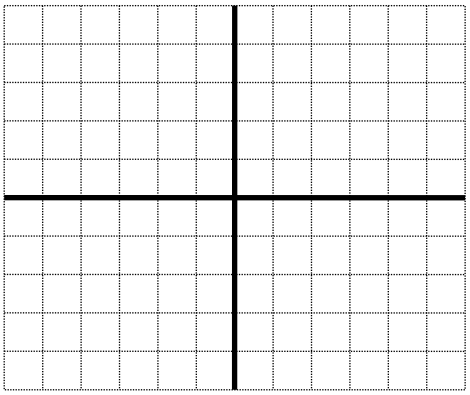
1. Complete the table for $3x - y = 9$

X	Y
	0
	-3
5	
-4	

3. Graph $5x + 2y = 8$.



4. Find the x-intercept pt. and the y-intercept point and graph $3x - 4y = -12$.

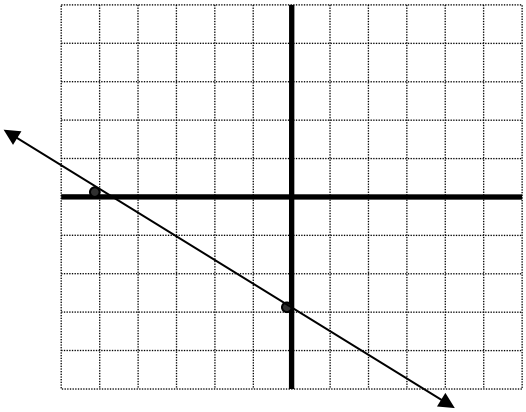


5. Find the slope of the line through the points (4, 2) and (2, -7).

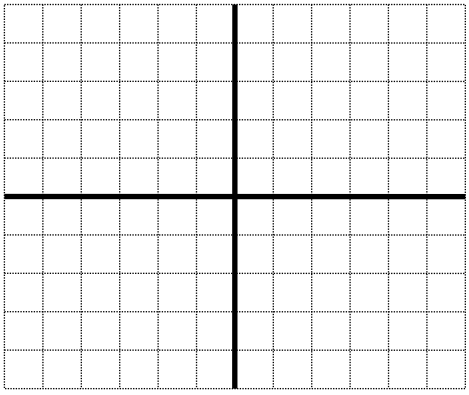
m = _____

6. Find the slope and the y-intercept point of the line from the equation $3x + 2y = 6$.

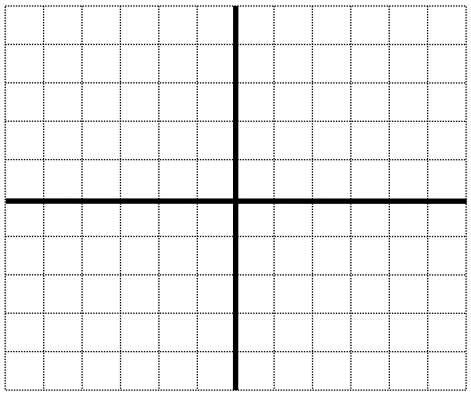
7. Find the slope and the y-intercept point and write the equation of the line in the graph below.



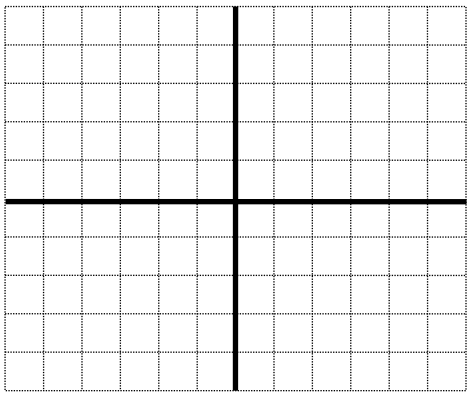
8. Graph the equation $x = -4$.



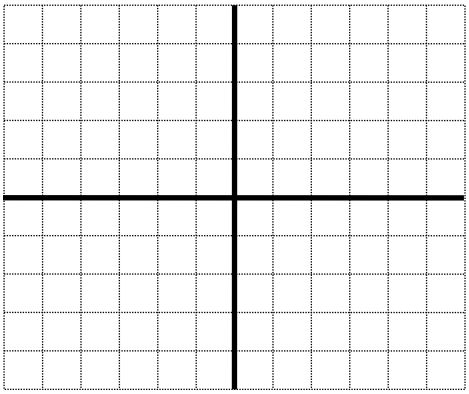
9. Graph the linear equation $y = -1$.



10. Graph the linear equation
$4x + 3y = 12$.



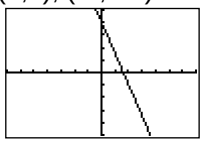
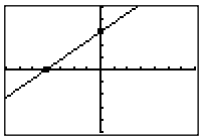
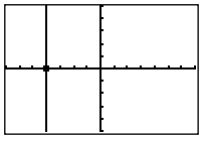
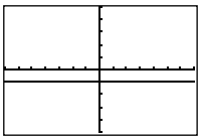
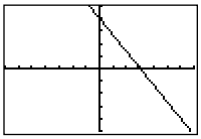
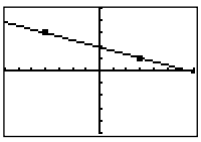
11. Graph the line with a slope of –2/7 through the point (-4, 3)



12. Write the equation of a line with the slope of –2 through the point (-3, -1) in slope-intercept form.

13. Write the equation of a line through the points (-3, 5) and (3,1)
in slope-intercept form.

Answer

1. No
2. (3,0), (2,-3), (5,6), (-4,-21)
3. 
4. 
5. m = 9/2
6. m = -3/2
7. Point = (0,-3);
m = -3/5;
eq: y= -3/5x – 3
8. 
9. 
10. 
11. 
12. y = -2x – 7
13. y = -2/3x + 3