Algebra P3
HW #6

All About Lines Part 2

Name_____

1) Find the slope of the line through the two points (4, 5) and (10, 7)

Use $\left(\frac{y_2 - y_1}{x_2 - x_1}\right)$

2) Find the slope of the line through the two points (10, -2) and (2, -4)

3) Find the slope of the line through the two points (-2, 3) and (-1, -1)

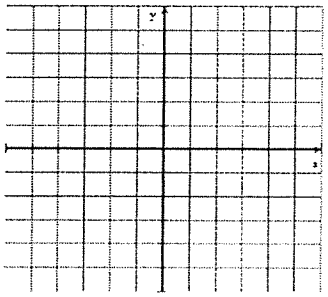
4) Find the slope of the line through the two points (1, 5) and (3, 5)

5) Find the slope and y-intercept. Graph the line using the slope and y-intercept.

$y = \frac{3}{5}x - 1$

$m =$

y-int (,)

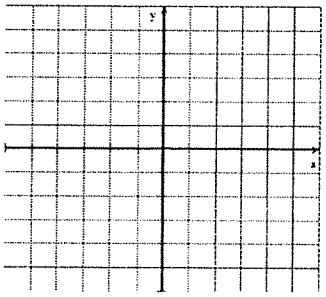


6) Find the slope and y-intercept. Graph the line using the slope and y-intercept.

$y = -x + 3$

$m =$

y-int (,)

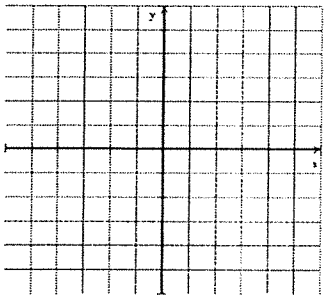


7) Find the slope and y-intercept. Graph the line using the slope and y-intercept.

$y = 2x + 2$

$m =$

y-int (,)

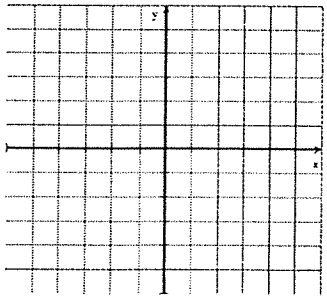


8) Find the slope and y-intercept. Graph the line using the slope and y-intercept.

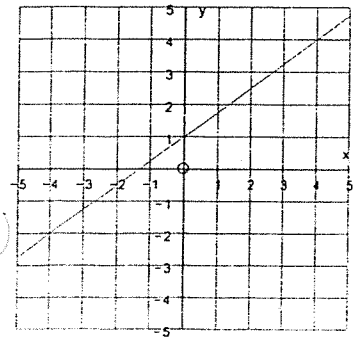
$y = -3x$

$m =$

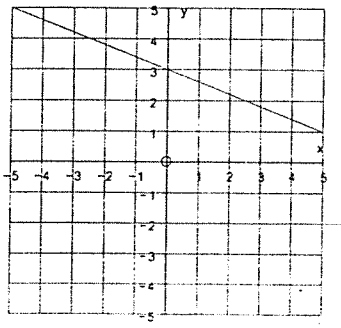
y-int (,)



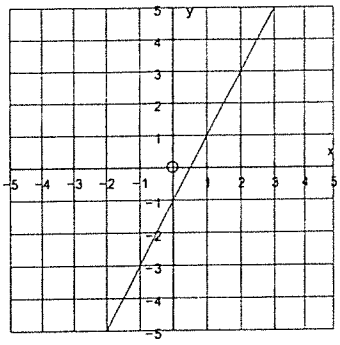
9) Write an equation in slope-intercept form for the line graphed below.



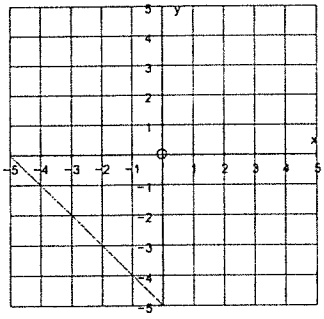
10) Write an equation in slope-intercept form for the line graphed below.



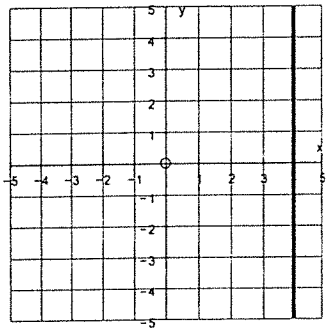
11) Write an equation in slope-intercept form for the line graphed below.



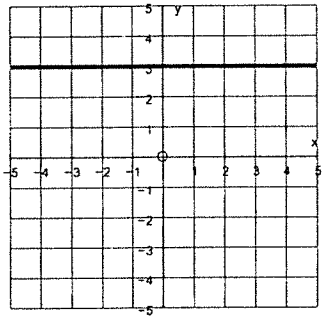
12) Write an equation in slope-intercept form for the line graphed below.



13) Write an equation for the line graphed below.

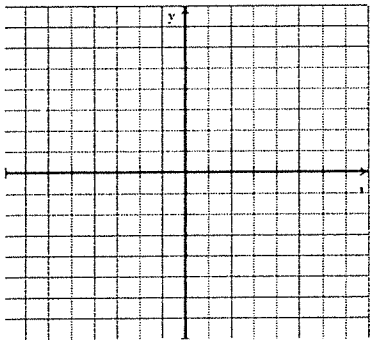


14) Write an equation for the line graphed below.



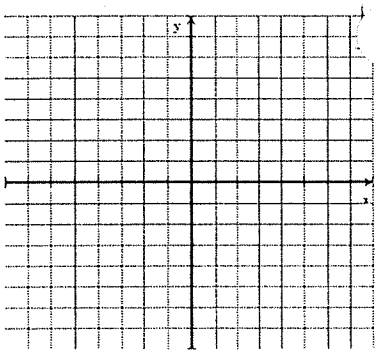
Use any method to graph each line below.

15) $y = \frac{1}{4}x$

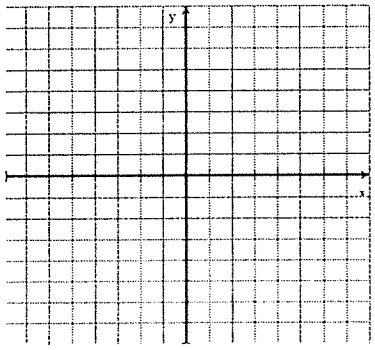


Use any method to graph each line below.

16) $2x - y = 6$



17) $x = -3$



18) $y = -4x + 2$