#6

Name _____ Date _____

8A; Algebra 1 Period _____

Homework

1) Write an equation of the line that has a slope of $\frac{1}{2}$ and a y-intercept of 2.

2) Write an equation of the line that has a slope of $-\frac{3}{4}$ and a y-intercept of 0.

In 3-6, write an equation of the line that has the given slope, m, and that passes through the given point.

3) m = 2; (1,4)

4) m = 2; (-3,4)

5) m = -3; (-2, -1)

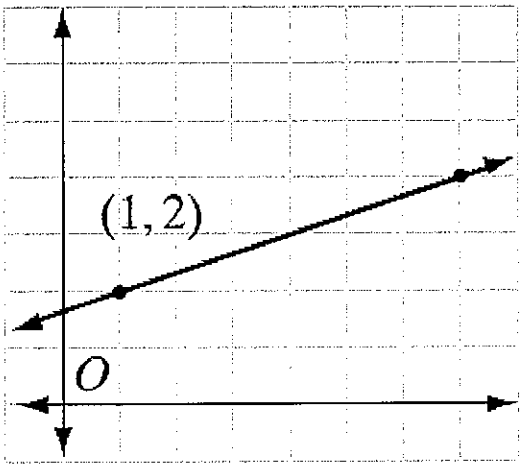
6) m = $-\frac{5}{3}$; (-3,0)

7) Write an equation of the line, in the form y = mx + b, that is:

(a) parallel to the line y = 2x - 4, and has a y-intercept of 1

(b) perpendicular to the line y - 3x = 6, and has a y-intercept of - 2.

8) Write an equation, in the form y = mx + b, that describes the following graph:



9) Write an equation of the line, in the form y = mx + b, that passes through the given points.
(0, -3), (1, -1)

10) Write an equation of the line, in the form y = mx + b, that passes through the given points.
(1, 4), (3, 8)