Algebra 1 Practice problems Quiz today 4.3-4.4

Ch. 4 MCT 4.1-4.4 Wed.

whiteboards

## **Example 1**

Write an equation of a line in slope-intercept form with slope -5 and y-intercept -3. Then graph the equation.

$$y = m \times + B$$

$$y = -6x + -3$$

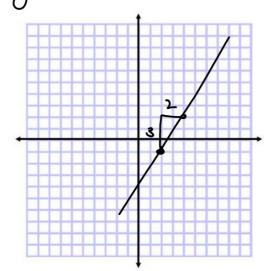
## **Example 2**

Write an equation of the line that passes through (3, 2) with a slope of 5.

$$y = 5x + 73$$

y-y=m(x-x,) Write an equation of the line that passes through the given points.

$$y-2=\frac{3}{2}(x-5)$$
  
 $y+1=\frac{3}{2}(x-a)$ 



**14.** Write an equation in point-slope form for the line that passes through the point (8, 3), m = -2. (Lesson 4-3)

$$y-3=-2(x-8)$$

$$y-3=-2x+16$$

$$+3$$

$$y=-2x+19$$

**16.** Write y + 4 = -7(x - 3) in slope-intercept form.

(Lesson 4-3)

$$\frac{9 + 4 = 7x + 21}{-4}$$

$$\frac{-4}{5 = -7x + 17}$$

## Standard form:

- in order
- integers
- no GCF (also: A must be pos.)

$$\frac{2x + 4y = 8}{2}$$

$$x + 2y = 4$$

$$5.$$
6.  $y = \frac{1}{2}x + 6$   $(4, 2)$ 

MCQ P. 246 ouls +22,24