

# Ch 6 Review Part 2

1.)  $y = \frac{4}{3}x - 4$       2.) slope =  $\frac{1}{3}$       y-int =  $-3$

3.) slope =  $-\frac{1}{2}$       y-int =  $\frac{3}{4}$

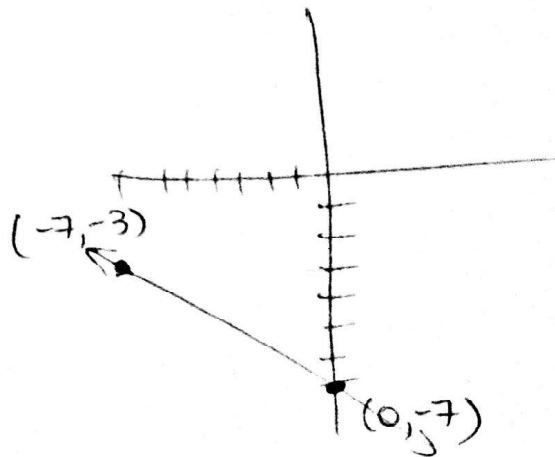
4.) x-int =  $4\frac{1}{5}$       5.)  $y = \frac{3}{2}x - 1$

6.)  $m = \frac{13}{2}$       7.)  $p = 1$       8.) slope =  ~~$\frac{1}{3}$~~   $-\frac{5}{3}$

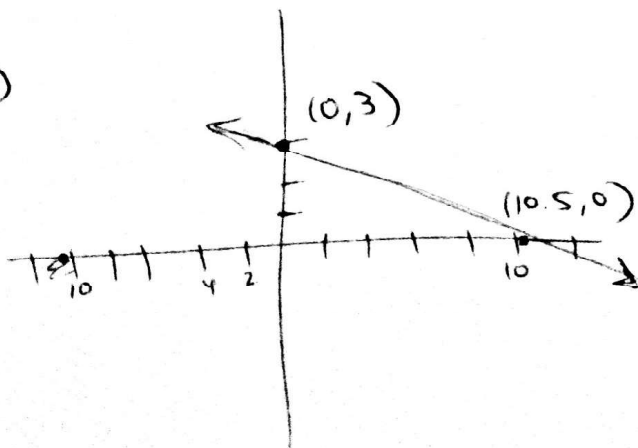
9.) collinear means on the same line.  
make sure slope stays the same.

a.) yes      b.) no      c.) no

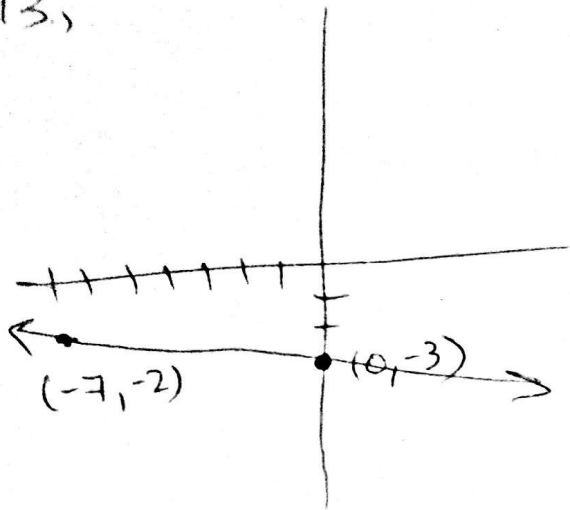
10.)  $y = -\frac{5}{6}x - 5$       11.)



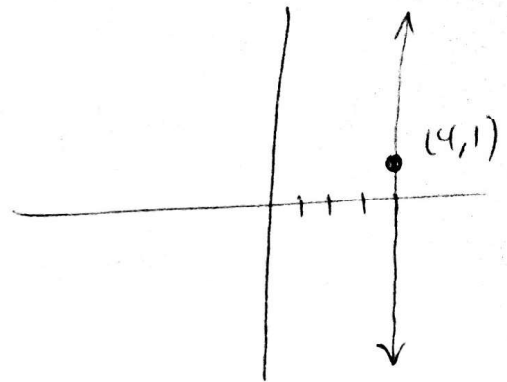
12.)



13.)



14.)



15.)  $y = -6(x+1)$

$6x + y = -6$

16.)  $y = \frac{5}{12}(x+15)$

$5x - 12y = -75$

17.)  $y + 4 = \frac{16}{8}(x+3)$

$2x - y = -2$

18.)  $y - 1 = \frac{2}{5}(x - 8)$

$2x - 5y = 15$

19.) slope of 1<sup>st</sup> line = 4, y-int = 6  
 $\Rightarrow$  slope of line two =  $-\frac{1}{4}$  and y-int = 6

$$y = -\frac{1}{4}x + 6 \quad \equiv \quad x + 4y = 24$$

20.)  $y = -\frac{1}{3}x + b$      $y = 2$  and  $x = 1$

$$2 = -\frac{1}{3}(1) + b \Rightarrow b = \frac{7}{3} \quad \Rightarrow \quad y = -\frac{1}{3}x + \frac{7}{3}$$

$$\text{or } x + 3y = 7$$