Welcome! Please grab your ISN and have a seat!

This DO NOW is to be done on paper for a turn in pop

quiz grade!!!

Find a Point-Slope equation for a line containing the given point and having the given slope.

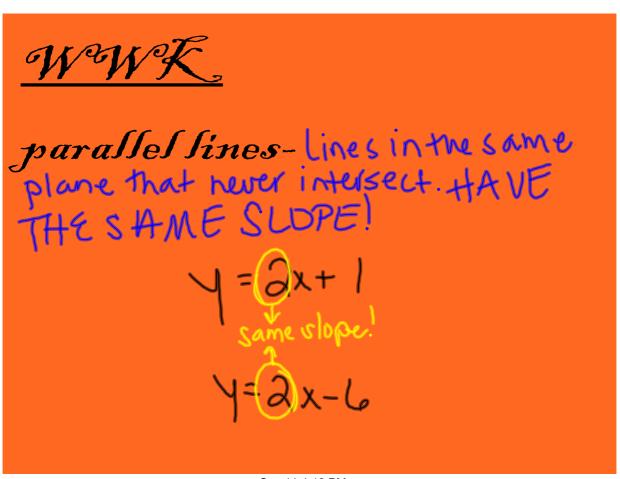
1. 
$$(4, -3)$$
,  $m = -1$ 

$$2. (-5, -6), m = 2$$

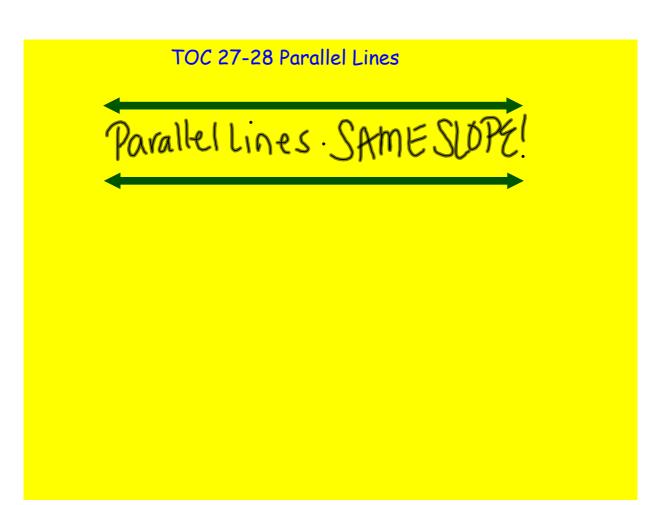
$$3.(-7, 2), m = 3$$

4. 
$$(3, 5)$$
,  $m = -2$ 

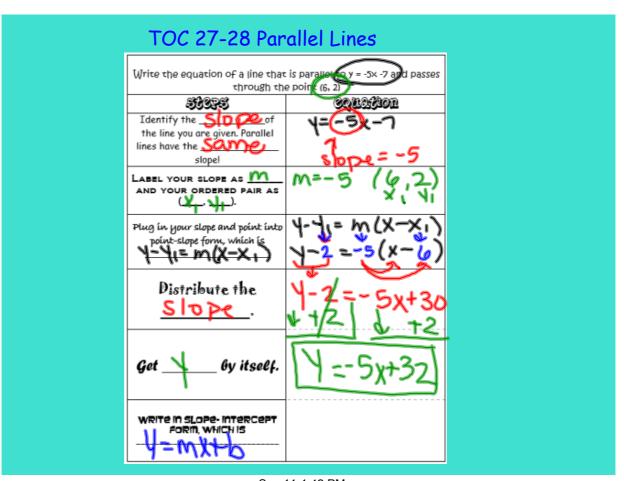
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Ex 1 (pg 25) Write the equation of the line that is parallel to:

b) 
$$y = -3x - 6$$
 through (2,0)  
 $y - y_1 = m(x - x_1)$   
 $y = -3(x - 2)$   
 $y = -3(x - 2)$ 

d) 
$$y = 2/3x$$
 through (6, 3)  
 $y - 4 = 2/3(x - 4)$   
 $y - 3 = 2/3(x - 4)$   
 $y - 3 = 2/3(x - 4)$   
 $y - 3 = 2/3(x - 4)$ 

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## Homework

Find an equation of the line that passes through each given point and is parallel to the line with the given equation.

15. 
$$(4, 2)$$
;  $y = 2x - 4$ 

17. 
$$(\frac{1}{2}, \frac{1}{3})$$
;  $x + 2y = 5$ 

16. (3, 1); 
$$y = \frac{1}{3}x + 6$$

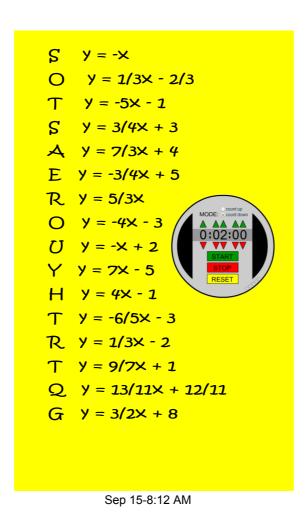
18. 
$$(0, 0)$$
;  $3x - y = 4$ 

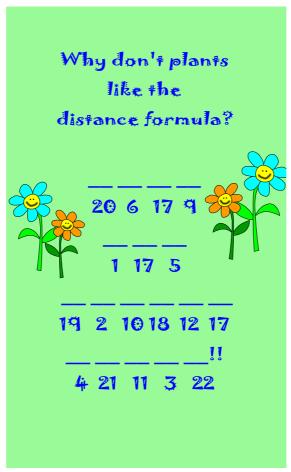
## Welcome! Please grab your warmup notebook and ISN and have a seat!

Find the equation of a line passing through the given point and parallel to the given equation. Write your answer in slope-intercept form.

1) (-1,-1) and -2x + 3y = 21 2) (-3,-2) and 
$$y = \frac{3}{2}x + 3$$

Sep 14-8:12 AM





Sep 15-7:56 AM