

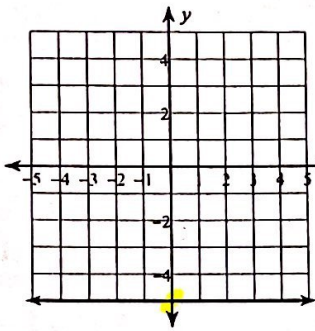
CLASSWORK: Graphs of Linear Functions

Write the slope-intercept form of the equation of each line.

$$y = mx + b$$

↑ Slope = $\frac{\text{rise}}{\text{run}}$ ← y-intercept

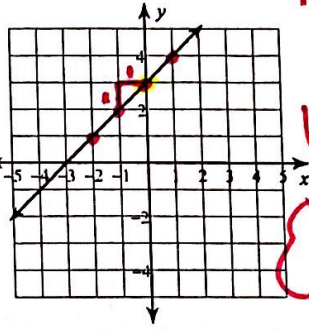
1)



$$y = -5$$

(horizontal lines)

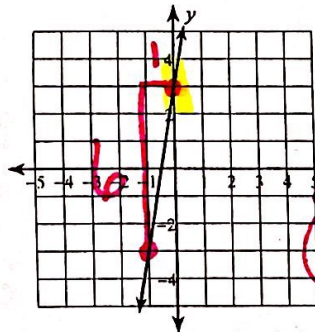
2)



$$y = \frac{1}{2}x + 3$$

$y = x + 3$

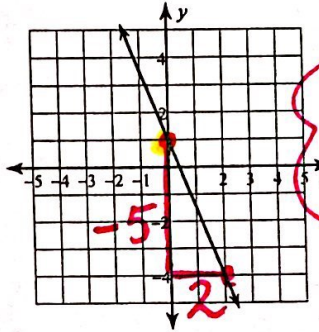
3)



$$y = \frac{6}{1}x + 3$$

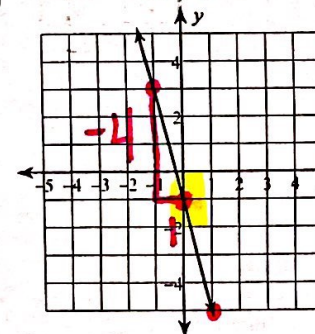
$y = 6x + 3$

4)



$$y = -\frac{5}{2}x + 1$$

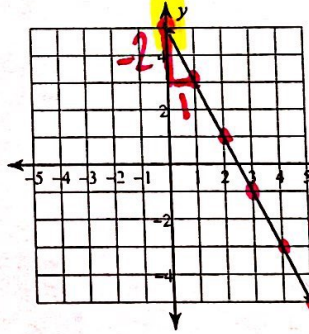
5)



$$y = -\frac{4}{1}x - 1$$

$y = -4x - 1$

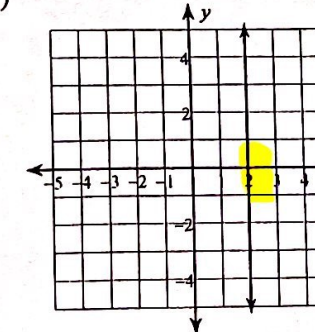
6)



$$y = -\frac{2}{1}x + 5$$

$y = -2x + 5$

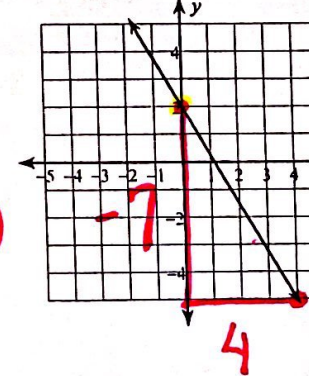
7)



$$x = 2$$

(vertical lines)

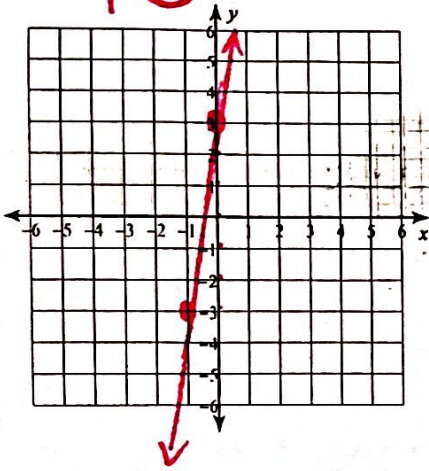
8)



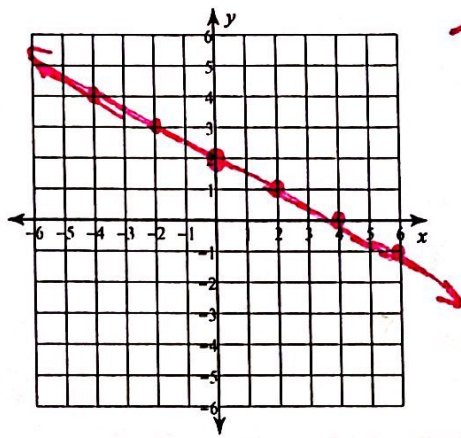
$$y = -\frac{7}{4}x + 2$$

Sketch the graph of each line.

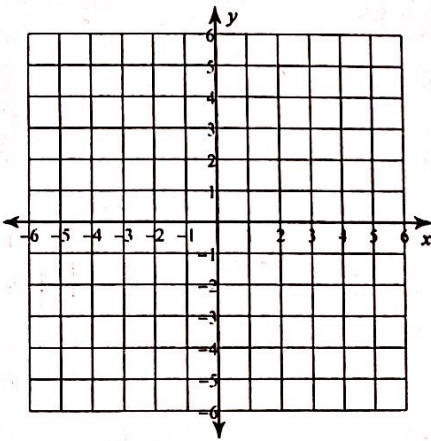
17) $y = \frac{6}{1}x + 3$ ← start



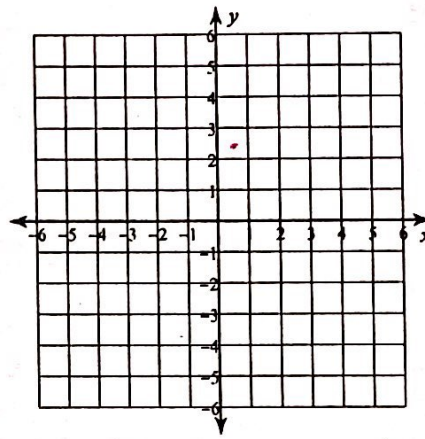
18) $y = -\frac{1}{2}x + 2$



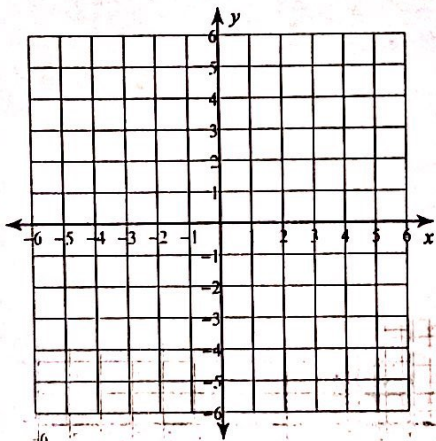
19) $y = 7x + 3$



20) $y = -2x + 3$



21) $y = -x + 3$



22) $y = -x - 4$

