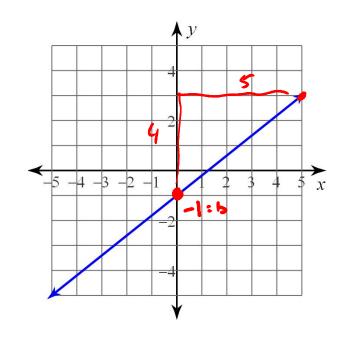
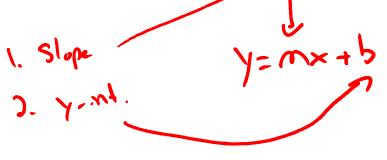
## Mathematics 10D

1.0 – Writing Equations

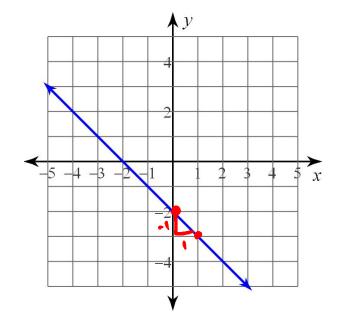
Mr. D. Hagen

Writing Equations From a Graph

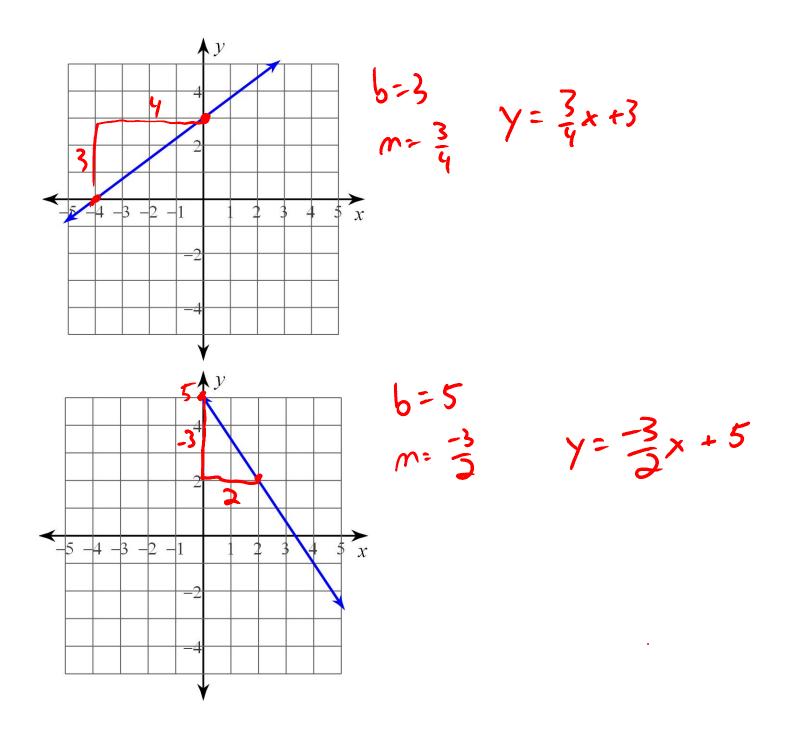




$$x = x^{2}, 6:-1 \therefore y = \frac{4}{5}, -1$$



$$b = -3$$
  
 $m = -1 = -1$   
 $y = -1 \times -3$   
 $y = -x - 2$ 



## Given two points, find the equation of the line...

through: (-1, 4) and (-2, 3)

through: (3, -4) and (0, 5)

through: 
$$(3, -4)$$
 and  $(0, 5)$ 
 $m = \frac{5 - 4}{0 - 3} = \frac{9}{-3} = -3$ 
 $y = -3 \times + 5$ 
 $5 = -3(0) + 5$ 
 $5 = -5$ 

through: (-3, -2) and (4, -4)

$$N = \frac{-4 - 2}{4 - 3} = \frac{-2}{3}$$

$$Y = \frac{-2}{3} \times +6$$

$$-2 = \frac{-2}{3} + \frac{-3}{5} + \frac{-3}{5} + \frac{-3}{5} + \frac{-3}{5} = \frac{-3}{5} + \frac{-3}{5} = \frac{-3}$$

$$\frac{-20}{5} = b$$

$$\frac{-20}{5} = \frac{-2}{5}x - \frac{20}{5}$$