

Foundations and Precalculus 10

**Ex. 2:** Graph the line whose equation is 3x + 2y - 18 = 0 by finding the x- and y-intercepts of the line.

Determine the x-intercept: 94 = 0  $3 \times 4 \times 5 - 18 = 0$ 

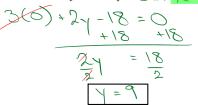
$$3x + 20 - 18 = 0$$

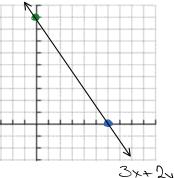
$$3x - 18 = 0$$

$$+18 + 18$$

$$x = 18$$

$$x = 6$$
Determine the *y*-intercept:  $26$ 





3x+2y-18=0

Ex.3: Determine the slope of a line with the equation: 
$$3x - 2y - 16 = 0$$

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$$3x - 2y - 16 = 0$$

$$42y + 2y$$

$$2x - 16 = 2y$$

$$2x - 16 = 2y$$

 $\frac{3}{2} \times -8 = 4$   $m = \frac{3}{2}$ 

$$w = \frac{3}{2}$$

**HW** p384 #4,5ab,6-8,13ab,14ab,15,18