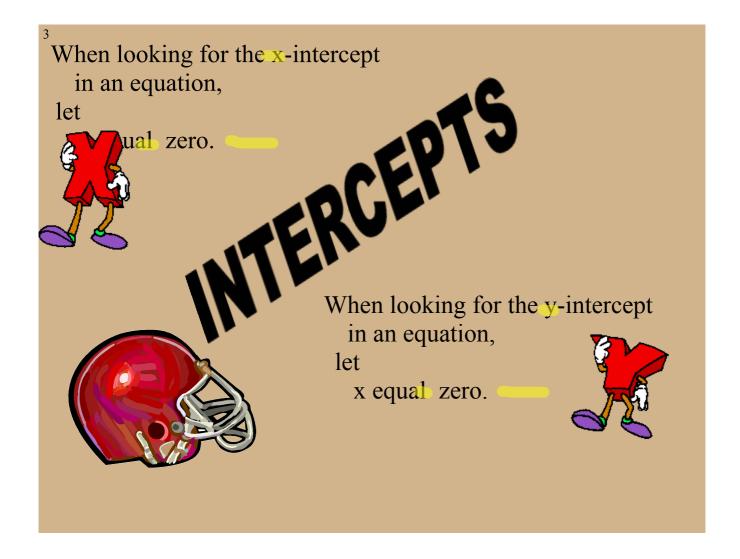
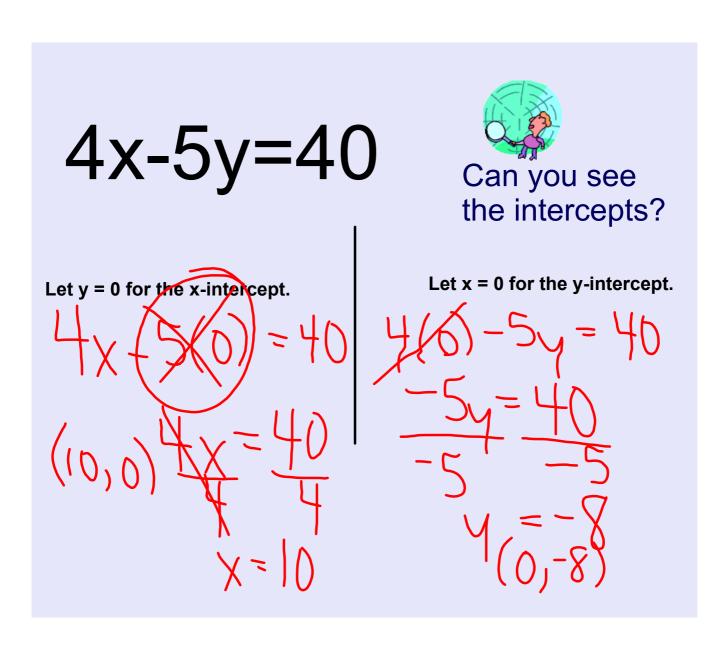
day 7_.notebook December 05, 2017





Find the value of the x-intercept.

$$3x + 10y - 40 = -10$$

$$3x + 10(0) - 40 = -10$$



$$3x - 40 = -10$$
 $3x = -10 + 40$
 $3x = 30$
 $3x = 10^{3}$

Example 3:

Find the equation of a line that passes through the

points (-3,-3) and has a slope of $\frac{3}{4}$.

Write what you know:

$$m = \frac{3}{4}$$
 (-3,-3)

$$y - y_1 = m (x - x_1)$$

$$y - (-3) = \frac{3}{4}(x - (-3))$$

$$y + 3 \neq \frac{3}{4} \times + \frac{9}{4}$$

$$y + 3 - 3 = \frac{3}{4}x + \frac{9}{4} = \frac{3}{174}$$

$$y = \frac{3}{4}x + \frac{9}{4} - \frac{12}{4}$$

$$y = \frac{3}{4} x - \frac{3}{4}$$

$$y + 3 = \frac{3}{4}(x + 3)$$
 $4y + 3 = \frac{3}{4}(x + 3)$
 $4y + 12 = 3x + 9$
 $4y = 3x + 9 - 12$
 $4y = 3x - 3 + 9$
 $4y = 3x - 3 + 9$
 $4y = 3x - 3 + 9$

Point slope form.docx