



Identify the x- and y-intercept of the graph.

$$x-int=5$$

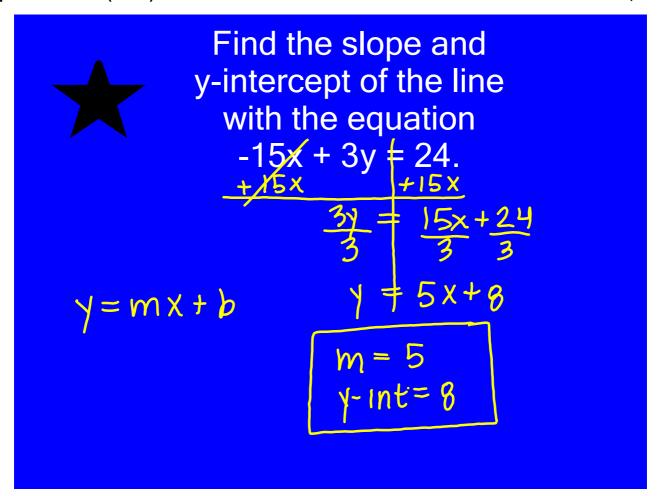
$$y-int=-2$$

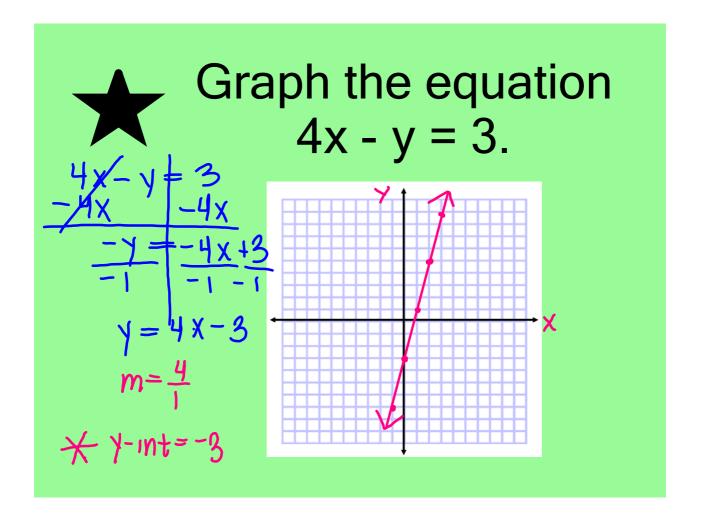
Find the slope of the line that passes through (-2, 0) and (4, 9).

$$m = \frac{12 - 1}{x_2 - x_1}$$

$$m = \frac{9 - 0}{4 - (-2)} = \frac{9}{6}$$

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



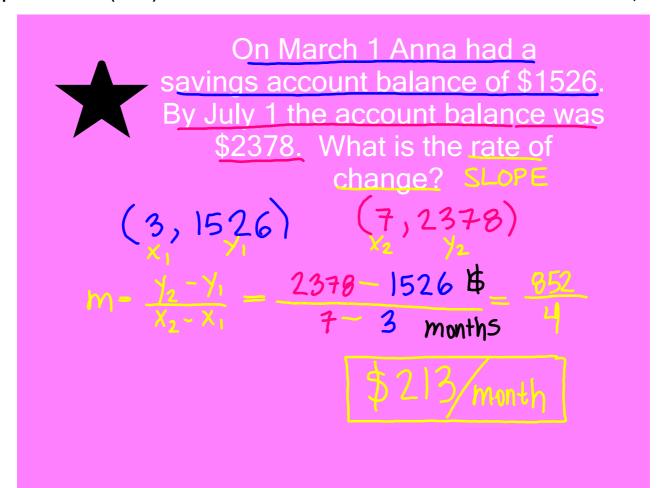


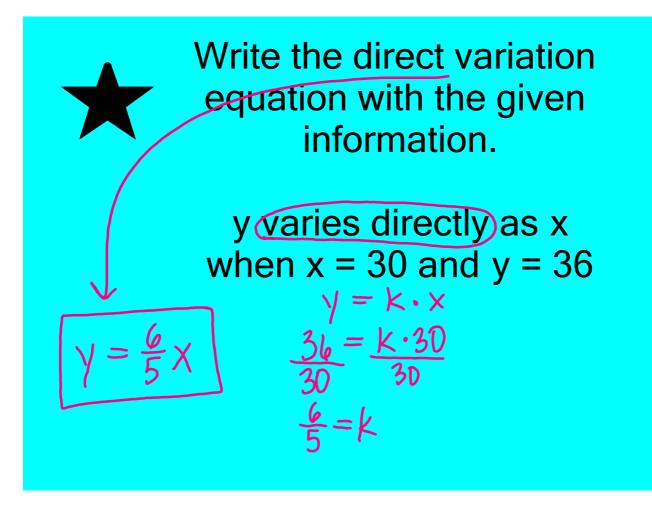


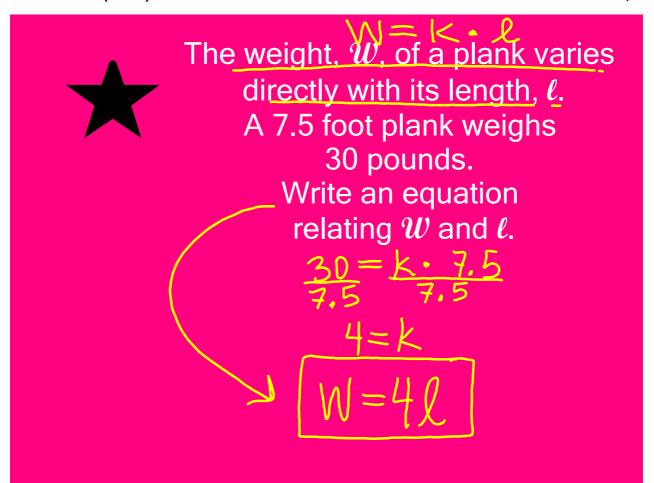
Rewrite -8x - 4y = 6 in slope-intercept form.



Are the lines parallel? EXPLAIN YOUR REASONING.









Tell whether the equation represents direct variation. If so, identify the constant of variation.

$$\frac{10x}{5} = \frac{5y}{5}$$

$$2x = \frac{y}{5}$$

$$4x = 2$$



Find the value of x so that f(x) = 13.

$$f(x) = -\frac{1}{4}x$$

$$-\frac{1}{4} \cdot 13 = -\frac{1}{4}x \cdot -\frac{1}{4}$$

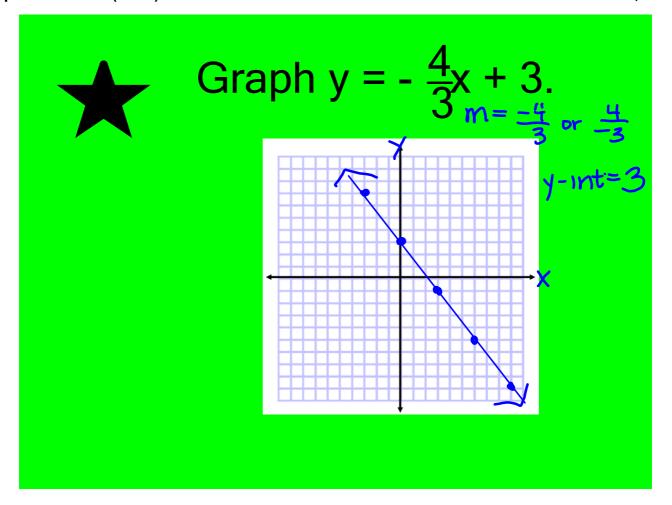
$$-52 = x$$

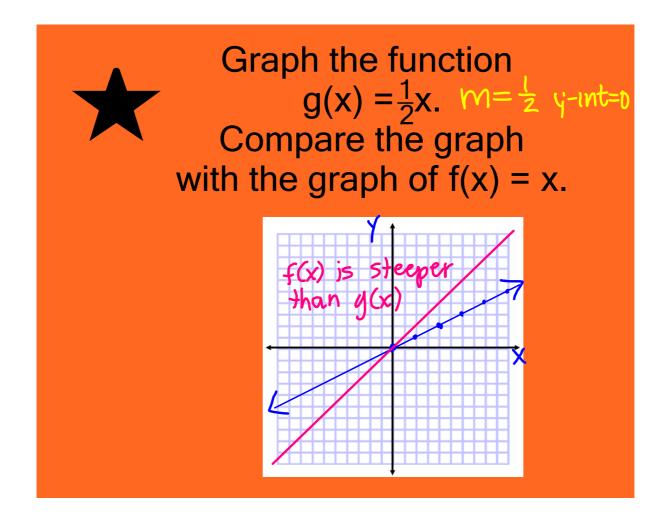


What is the value of the function when x = -7?

$$f(x) = x^{2} + x - 1$$

$$f(x) = (-7)^{2} + (-7) - (-7)^{2} + (-7) - (-7)^{2} + (-7)^{2} + (-7)^{2} - (-7)^{2} + (-7)^{2}$$







Solve 4x - 6 = 2x by graphing.

$$4x - 6 = 2x$$
 $-2x - 6 = 0$
 $2x - 6 = y$
 $m = \frac{2}{1}$ y-int=-6



What would happen to the graph (in words) of y = 3x - 2 if the -2 was changed to 3?