DO NOW

What is the slope of the line that passes through the points (-3, 5) and (3, -4)?

$$m = -4 - 5$$
 $3 - (-3)$

$$M = \frac{-9}{6} = \frac{-3}{2}$$

Jan 29-7:23 AM

Homework Answers

1)
$$y = \frac{3}{7}x + 2$$

5)
$$y = 2x - 14$$

2)
$$y = 2x - 3$$

6)
$$y = \frac{3}{4}x + 9$$

3)
$$y = \frac{-6}{7}x + 6$$

7)
$$y = \frac{-2}{5}x - 4$$

4)
$$y = \frac{4}{5}x + 12$$

8)
$$y = \frac{3}{2}x - 3$$

Converting to Slope-Intercept Form

$$y = mx + b$$

m is the slope and b is the y-intercept

EX: Identify the slope and y-intercept of the line.

1)
$$y = x + 2$$

 $y = mx + b$
 $m = \frac{1}{1}$ $b = 2$

3)
$$3y - 2x = -3$$
 $\frac{12x + 2x}{3}$
 $\frac{3y - 2x = -3}{3}$
 $\frac{3y - 3}{3}$
 $\frac{3y - 2x = -3}{3}$

2)
$$y = -2x$$

4)
$$\delta(x - y = 5)$$

$$\frac{-14 = -6x}{-14 = -6x} + 5$$

$$-14 = -6x + 5$$

$$-16 = -6x - 5$$

$$-16 = -6x - 5$$

$$-16 = -6x - 5$$

Oct 30-7:38 AM

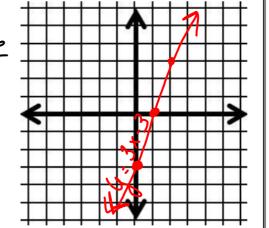


Rewrite the equalion... slope- intercept form. Rewrite the equation in

$$y = mx + b$$

1) y = 3x - 3

$$m = \frac{3}{4}$$
 (15)



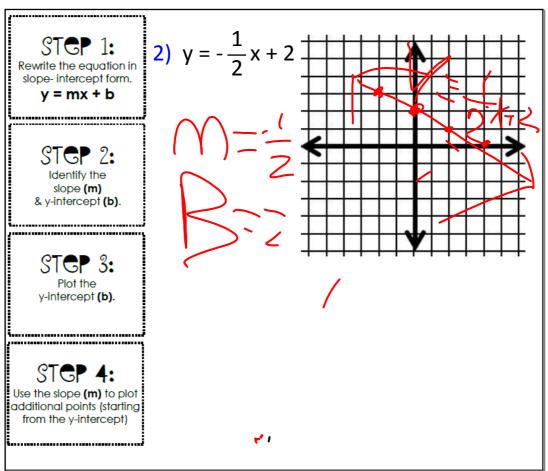
Identify the slope (m) & y-intercept (b).

STGP 3: Plot the

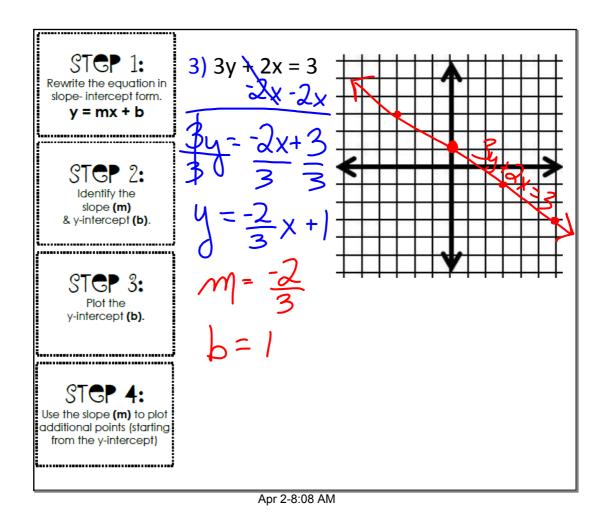
y-intercept (b).

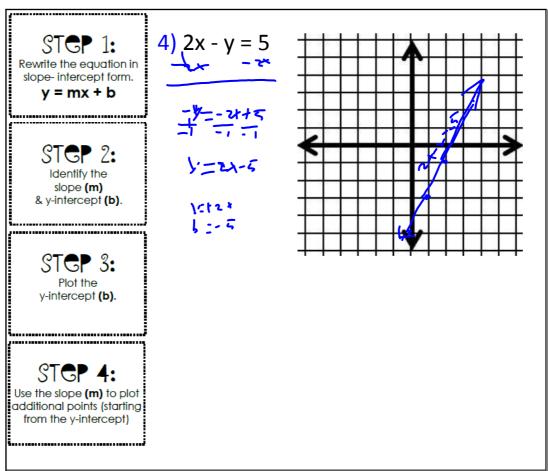
Use the slope **(m)** to plot additional points (starting from the y-intercept)

Oct 21-11:19 AM



Oct 21-11:19 AM





Apr 2-8:08 AM