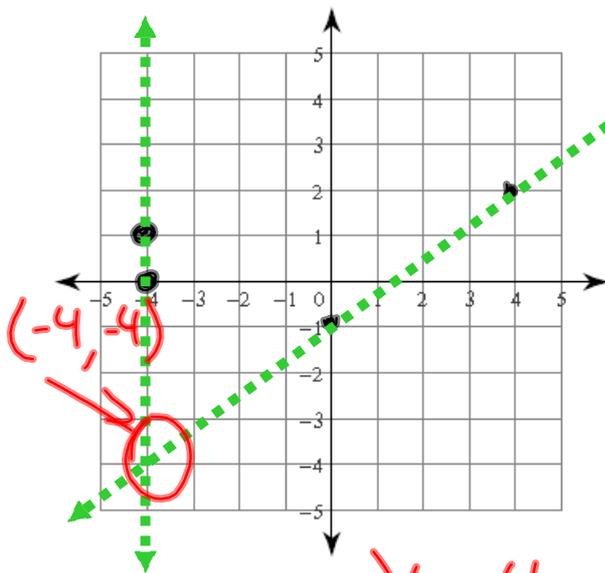


$$1) y = \frac{3}{4}x - 1$$
$$x = -4$$



$$m = \frac{3}{4}$$

$$b = (0, -1)$$

Two points
 $(-4, 0)$ $(-4, 1)$

$$(-4) = \frac{3}{4}(-4) - 1$$

$$-4 = -3 - 1$$

$$-4 = -4 \checkmark$$

$$x = -4$$

$$(-4) = -4$$

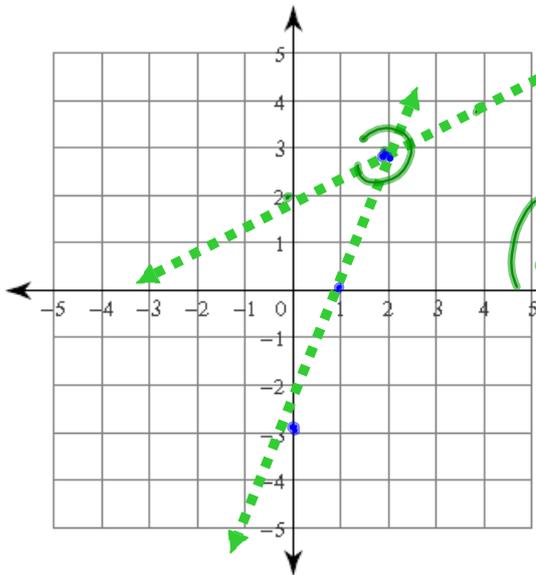
$$-4 = -4 \checkmark$$

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

$$y = 3x - 3$$

$$1) \ m = \frac{1}{2} \quad b = (0, 2)$$

$$2) \ m = \frac{3}{1} \quad b = (0, -3)$$



$(2, 3)$

$$y = \frac{1}{2}x + 2$$

$$(3) = \frac{1}{2}(2) + 2$$

$$3 = 1 + 2$$

$$3 = 3 \checkmark$$

$$y = 3x - 3$$

$$(3) = 3(2) - 3$$

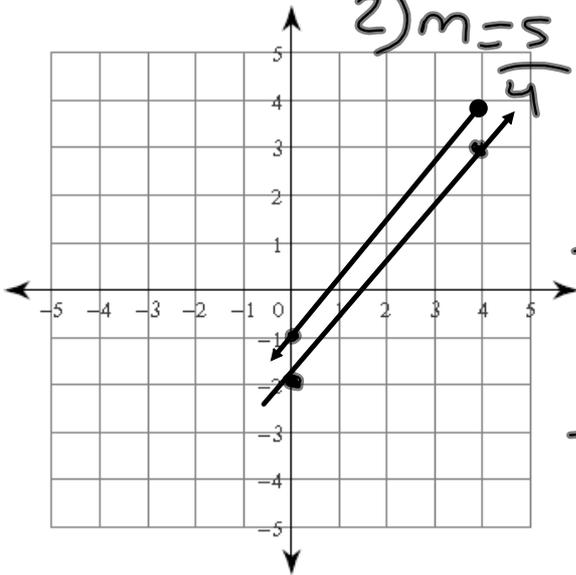
$$3 = 6 - 3$$

$$3 = 3 \checkmark$$

$$3) y = \frac{5}{4}x - 2$$
$$y = \frac{5}{4}x - 1$$

$$1) m = \frac{5}{4} \quad b = (0, 2)$$

$$2) m = \frac{5}{4} \quad b = (0, -1)$$

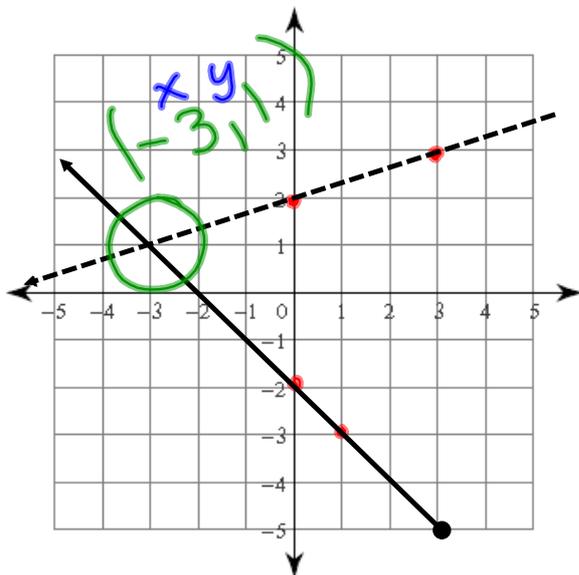


no point
their parallel
Same slope
their not gonna
CROSS

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

1) $m = \frac{1}{3}$ $b = (0, 2)$

2) $m = -1$ $b = (0, -2)$



$(1) = \frac{1}{3}(-3) + 2$

$1 = -1 + 2$

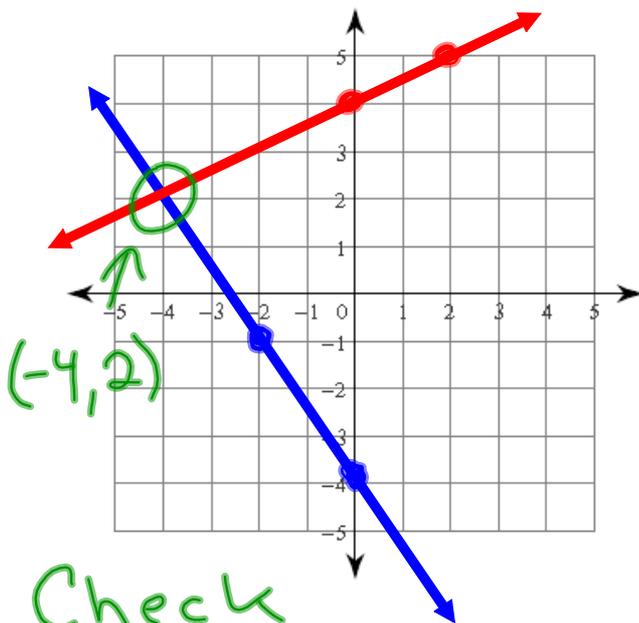
$1 = 1$ ✓

$(1) = -(-3) - 2$

$1 = 3 - 2$
 $1 = 1$ ✓

$$5) y = -\frac{3}{2}x - 4$$

$$y = \frac{1}{2}x + 4$$



$$y = -\frac{3}{2}x - 4$$

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

$$b = (0, -4)$$

$$y = \frac{1}{2}x + 4$$

$$m = \frac{1}{2}$$

$$b = (0, 4)$$

Check

$$y = -\frac{3}{2}x - 4$$

$$(2) = -\frac{3}{2}(-4) - 4$$

$$2 = 6 - 4$$

$$2 = 2 \checkmark$$

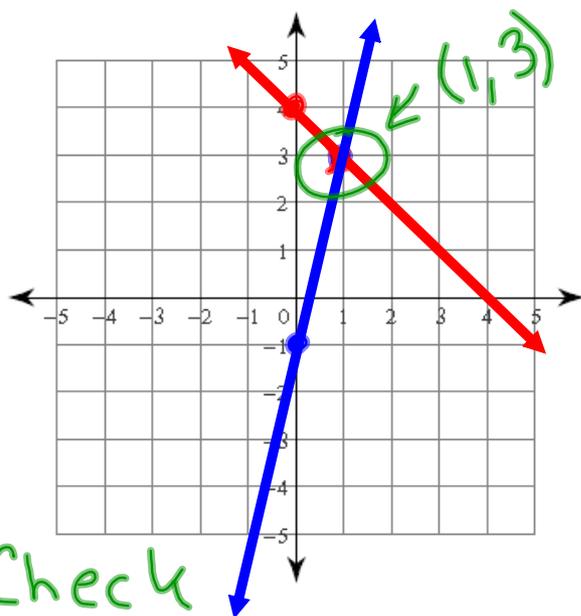
$$y = \frac{1}{2}x + 4$$

$$(2) = \frac{1}{2}(-4) + 4$$

$$2 = -2 + 4$$

$$2 = 2 \checkmark$$

6) $y = 4x - 1$
 $y = -x + 4$



$$y = 4x - 1$$

$$m = \frac{4}{1}$$

$$b = (0, -1)$$

$$y = -x + 4$$

$$m = -\frac{1}{1}$$

$$b = (0, 4)$$

Check

$$y = 4x - 1$$

$$(3) = 4(1) - 1$$

$$3 = 4 - 1$$

$$3 = 3 \checkmark$$

$$y = -x + 4$$

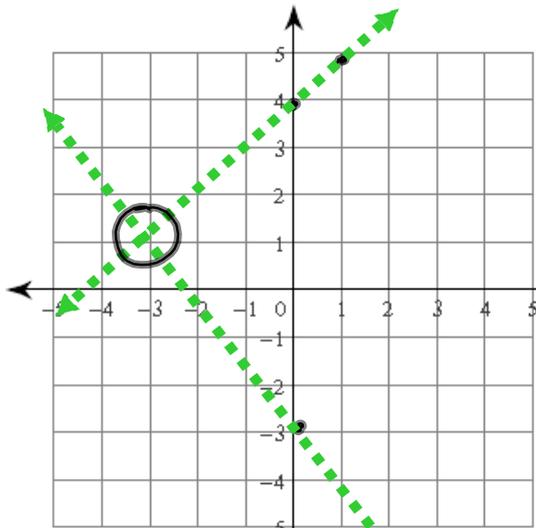
$$(3) = -(1) + 4$$

$$3 = -1 + 4$$

$$3 = 3 \checkmark$$

$$7) y = x + 4$$

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



$$m = \frac{1}{1}$$

$$b = (0, 4)$$

$$m = -\frac{4}{3}$$

$$b = (0, -3)$$

Nieder!

$$\begin{matrix} x, y \\ (-3, 1) \end{matrix}$$

$$(1) = (-3) + 4$$

$$\begin{aligned} 1 &= -3 + 4 \\ 1 &= 1 \checkmark \end{aligned}$$

$$(1) = -\frac{4}{3}(-3) - 3$$

$$1 = \frac{12}{3} - 3$$

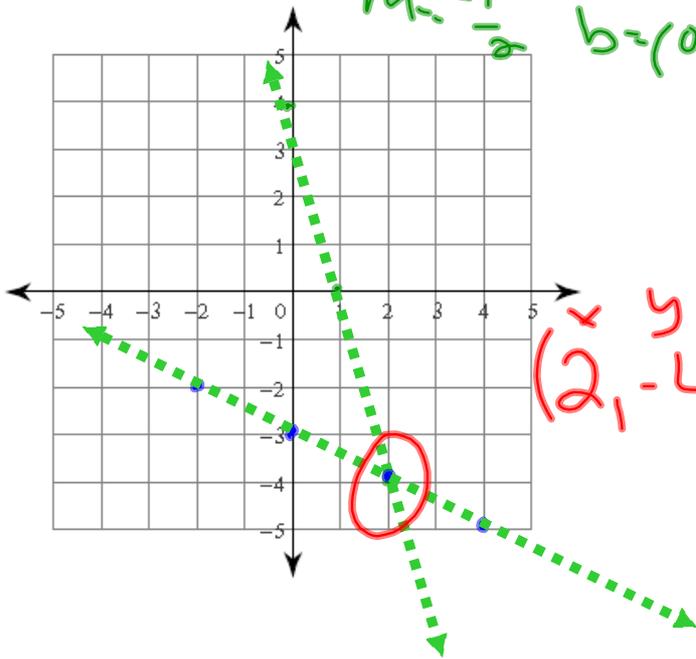
$$1 = 4 - 3$$

$$1 = 1 \checkmark$$

8) $y = -4x + 4$
 $y = -\frac{1}{2}x - 3$

$m = -4$ $b = (0, 4)$

$m = -\frac{1}{2}$ $b = (0, -3)$



x y
 $(2, -4)$

$y = -4x + 4$

$(-4) = -4(2) + 4$

$-4 = -8 + 4$

$-4 = -4 \checkmark$

$y = -\frac{1}{2}x - 3$

$(-4) = -\frac{1}{2}(2) - 3$

$-4 = -1 - 3$

$-4 = -4 \checkmark$