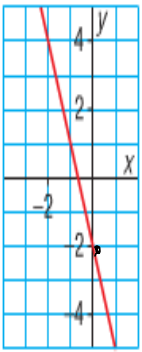


Which equation describes the graph below?

Justify your answer.

- a) $y = -2x + 3$
- b) $y = 2x - 3$
- c) $y = 3x - 2$
- d) $y = -3x - 2$



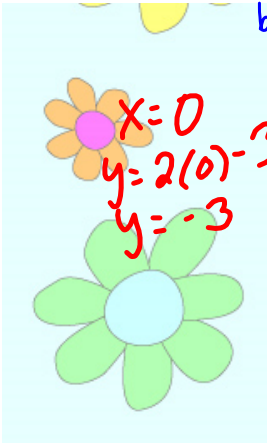
a) $y = -2x + 3$ **(NO)**

x	y
0	3
1	1
2	-1

$x=0$
 $y = -2(0) + 3$
 $y = 3$

$x=1$
 $y = -2(1) + 3$
 $y = 1$

$x=2$
 $y = -2(2) + 3$
 $y = -1$



b) $y = 2x - 3$ **(NO)**

x	y
0	-3
1	-1
2	1

$x=0$
 $y = 2(0) - 3$
 $y = -3$

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

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

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c) $y = 3x - 2$ **(NO)**

x	y
0	-2
1	1
2	4

$x=0$
 $y = 3(0) - 2$
 $y = -2$

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

$x=2$
 $y = 3(2) - 2$
 $y = 4$

d) $y = -3x - 2$ **(yes)**

x	y
0	-2
1	-5
2	-8

$x=0$
 $y = -3(0) - 2$
 $y = -2$

$x=1$
 $y = -3(1) - 2$
 $y = -5$

$x=2$
 $y = -3(2) - 2$
 $y = -8$

Graph the following.

$$2x - y = 4$$

$$x = 0$$

$$2x - y = 4$$

$$2(0) - y = 4$$

$$-y = 4$$

$$y = -4$$

x	y
0	-4
1	-2
2	0

$$x = 1$$

$$2(1) - y = 4$$

$$2 - y = 4 - 2$$

$$-y = 4 - 2$$

$$-y = 2$$

$$y = -2$$

$$x = 2$$

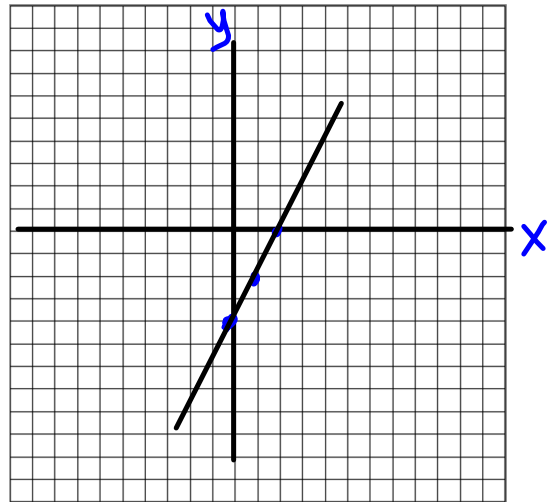
$$2(2) - y = 4$$

$$4 - y = 4$$

$$4 - 4 - y = 4 - 4$$

$$-y = 0$$

$$y = 0$$



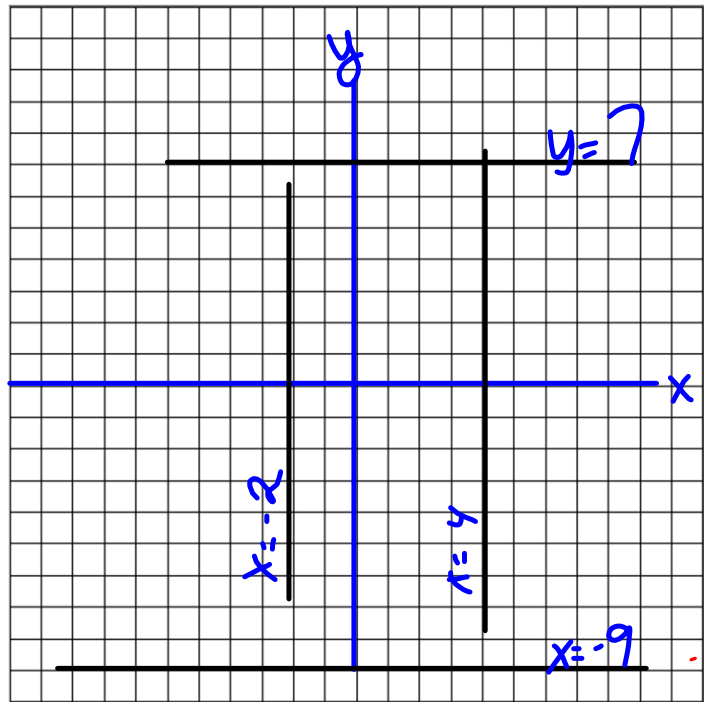
Graph

$$a) \frac{-2x}{-2} = \frac{4}{-2}$$
$$x = -2$$

$$b) x + 3 = 7$$
$$x = 4$$

$$c) -2y - 4 = 14$$
$$-2y \boxed{-4+4} = 14+4$$
$$-2y = 18$$
$$\frac{-2y}{-2} = \frac{18}{-2}$$
$$y = -9$$

$$d) 3y = 21$$
$$y = 7$$



Worksheet

Ques 1-5

<p>#1</p> <p>a) $y = 2x - 1$</p> <p>3 cal</p>	<p>b) $y = -x + 4$</p> <p>3 calc.</p>	<p>c) $y = 3x - 3$</p> <p>3 calc</p>
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#2. Solve for x or y no table of values

- b) $-x + 1 = 0$
- c) $2x - 3 = 2$

#3. Table values, 3 calculations

- a) 0, 1, 2
 - b) 1, 2, 3
 - c) -3, -2, -1
- } x

#4 & #5 MC Show your work!