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Actividad de Plataforma 3er cuatrimestre

$X = 2X - 4 \qquad Y = 3X + 2$

$2X - 4 = 3X + 2$
$2X - \cancel{4} + \cancel{4} = 3X + 2 + 4$
$2X = 3X + 6$
$2X - 3X = \cancel{3X} - \cancel{3X} + 6$
$-X = 6$
$\boxed{X = -6}$

Sustituyo

$\boxed{P(-6, -16)}$

$Y = 2X - 4$
$Y = 2(-6) - 4$
$Y = -12 - 4$
$\boxed{Y = -16}$

$Y = 2X - 4$
$2X - 4 = 0$
$2X - \cancel{4} + \cancel{4} = 4$
$2X = 4$
$X = 4/2$
$X = 2$

$P(2, -4)$

$Y = 3X + 2$
$3X + 2 = 0$
$3X + \cancel{2} - \cancel{2} = -2$
$3X = -2$
$X = -\frac{2}{3}$

$P(-\frac{2}{3}, 2)$

$$y = -x + 12$$
$$y = -3x + 26$$

$$-x + 12 = -3x + 26$$
$$-x + 12 - 12 = -3x + 26 - 12$$
$$-x = -3x + 14$$
$$+3x - x = -3x + 3x + 14$$
$$2x = 14$$
$$x = 14/2$$
$$x = 7$$

Sustituyo

$$x = -x + 12$$
$$y = -(7) + 12$$
$$y = -7 + 12$$
$$y = 5$$

$$y = -3x + 26$$
$$y = -3(7) + 26$$
$$y = -21 + 26$$
$$y = 5$$

$$y = -x + 12$$
$$-x + 12 = 0$$
$$-x = -12$$
$$x = 12$$

P (12, 12)

$$y = -3x + 26$$
$$-3x + 26 = 0$$
$$-3x = -26$$
$$x = \frac{-26}{-3}$$
$$x = 8.66$$

P (8.66, 26)

P (7, 5)

$Y = \frac{3}{2}X + 2$ $\quad\quad$ $X = -\frac{1}{2}X + 6$

$\frac{3}{2}X + 2 = -\frac{1}{2}X + 6$

$\frac{3}{2}X + 2 - 2 = -\frac{1}{2}X + 6 - 2$

$\frac{3}{2}X = -\frac{1}{2}X + 4$

$\frac{3}{2}X + \frac{1}{2}X = -\frac{1}{2}X + \frac{1}{2}X + 4$

$\frac{4}{2}X = 4$

$2X = 4$

$X = \frac{4}{2}$

$X = 2$

P (2, 5)

Sustituyo

$Y = \frac{3}{2}X + 2$

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

$Y = 3 + 2$

$X = 5$

X	Y
0	2
1	3.5
2	5

X	Y
0	6
1	5.5
2	5

Asigno valores

$Y = 3/2X + 2$

$Y = 3/2(0) + 2$

$Y = 0 + 2 = 2$

$Y = 3/2(1) + 2$

$Y = 3/2 + 2 = 3.5$

$Y = 3/2(2) + 2$

$Y = 5$

$Y = -1/2X + 6$

$Y = -1/2(0) + 6$

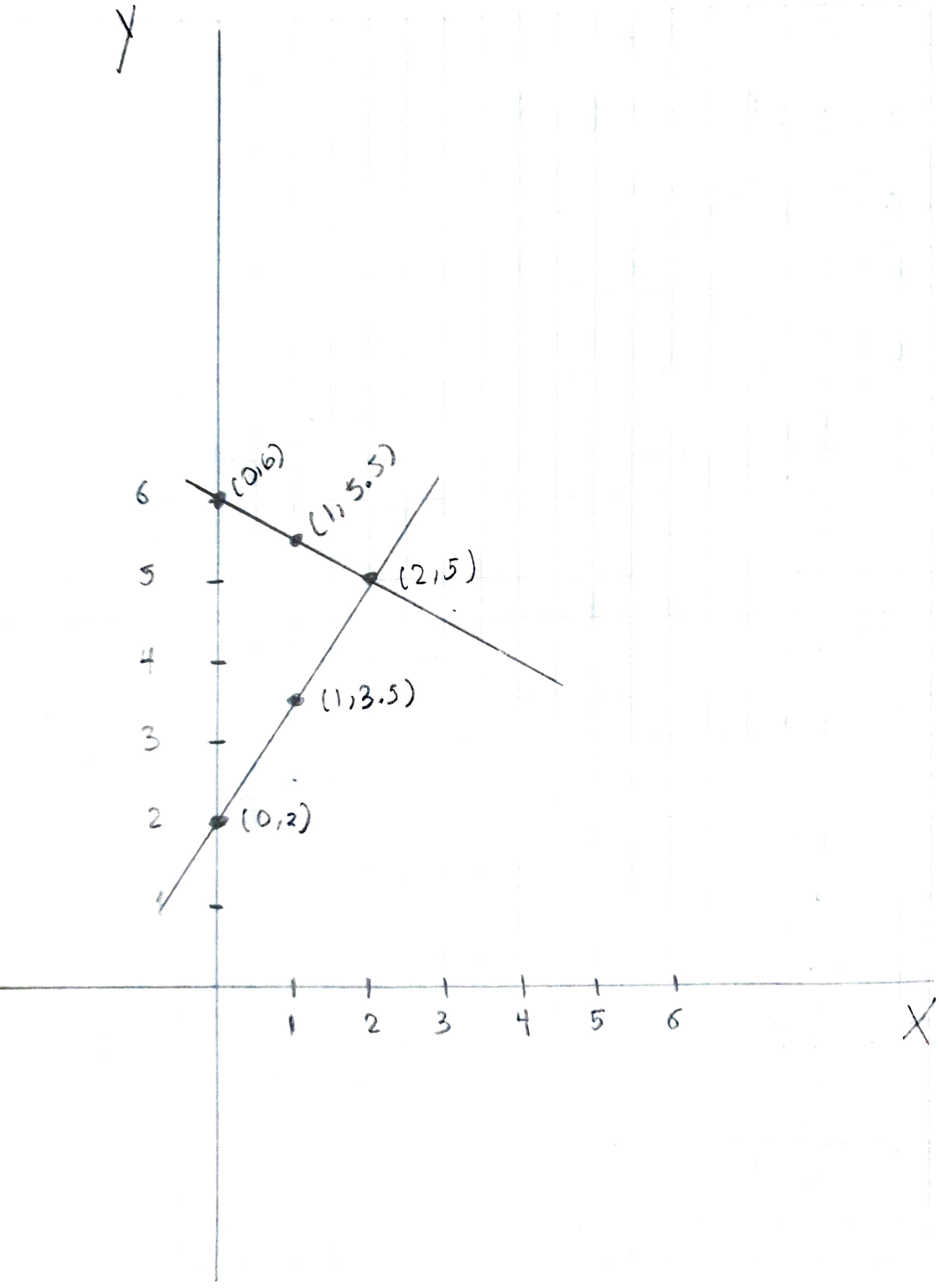
$Y = 0 + 6 = 6$

$Y = -1/2(1) + 6$

$Y = -1/2 + 6 = 5.5$

$Y = -1/2(2) + 6$

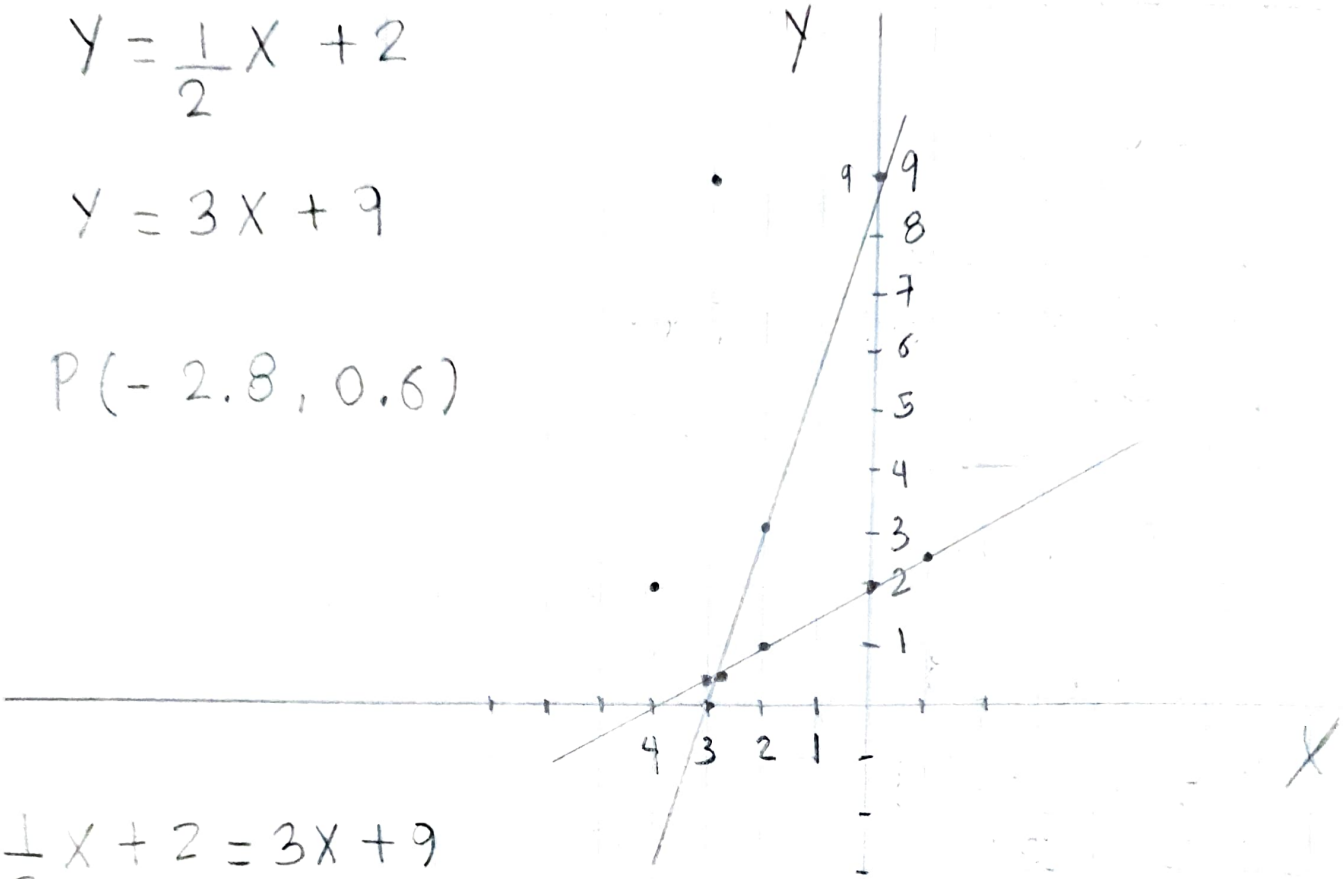
$Y = -1 + 6 = 5$


Y
X
(0,6)
(1,5.5)
(2,5)
(1,3.5)
(0,2)
6
5
4
3
2
1
1
2
3
4
5
6

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

$$y = 3x + 9$$

$P(-2.8, 0.6)$



$$\frac{1}{2}x + 2 = 3x + 9$$

$$\frac{1}{2}x + 2 - 2 = 3x + 9 - 2$$

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

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

$$\frac{1}{2}x - 3x = 7$$

$$-2.5x = 7$$

$$x = 7/-2.5$$

$$\boxed{x = -2.8}$$

Sustituyo

$$y = 3x + 9$$

$$y = 3(-2.8) + 9$$

$$y = -8.4 + 9$$

$$\boxed{y = 0.6}$$

$y = 1/2x + 2$

X	Y
-3	0.5
-2	1
0	2
1	2.5
2	3

$y = 3x + 9$

X	Y
-3	0
-2	3
0	9
1	12
2	15

$Y = X + 1$ $\quad Y = -\frac{3}{4}X + 8$

$X + 1 = -\frac{3}{4}X + 8$

$X + 1 - X = -\frac{3}{4}X + 8 - 1$

$X = -\frac{3}{4}X + 7$

$X + \frac{3}{4}X = -\frac{3}{4}X + \frac{3}{4}X + 7$

$X + \frac{3}{4}X = 7$

$1.75X = 7$

$X = 7 / 1.75$

$X = 4$

Sustituyo

$Y = X + 1$

$y = 4 + 1$

$y = 5$

Estos valores

$P(4,5)$

$Y = X + 1$

X	Y
0	1
1	2
2	3
3	4
4	5 *

$Y = \frac{-3}{4}X + 3$

X	Y
0	3
1	7.25
2	6.50
3	5.75
4	5 *
5	

$Y = X + 1$

$Y = 0 + 1$

$\boxed{Y = 1}$

$Y = X + 1$

$Y = 1 + 1$

$\boxed{Y = 2}$

$Y = X + 1$

$Y = 2 + 1$

$\boxed{Y = 3}$

$Y = 3 + 1 = 4$

$Y = \frac{-3}{4}X + 8$

$Y = \frac{-3}{4}(0) + 8$

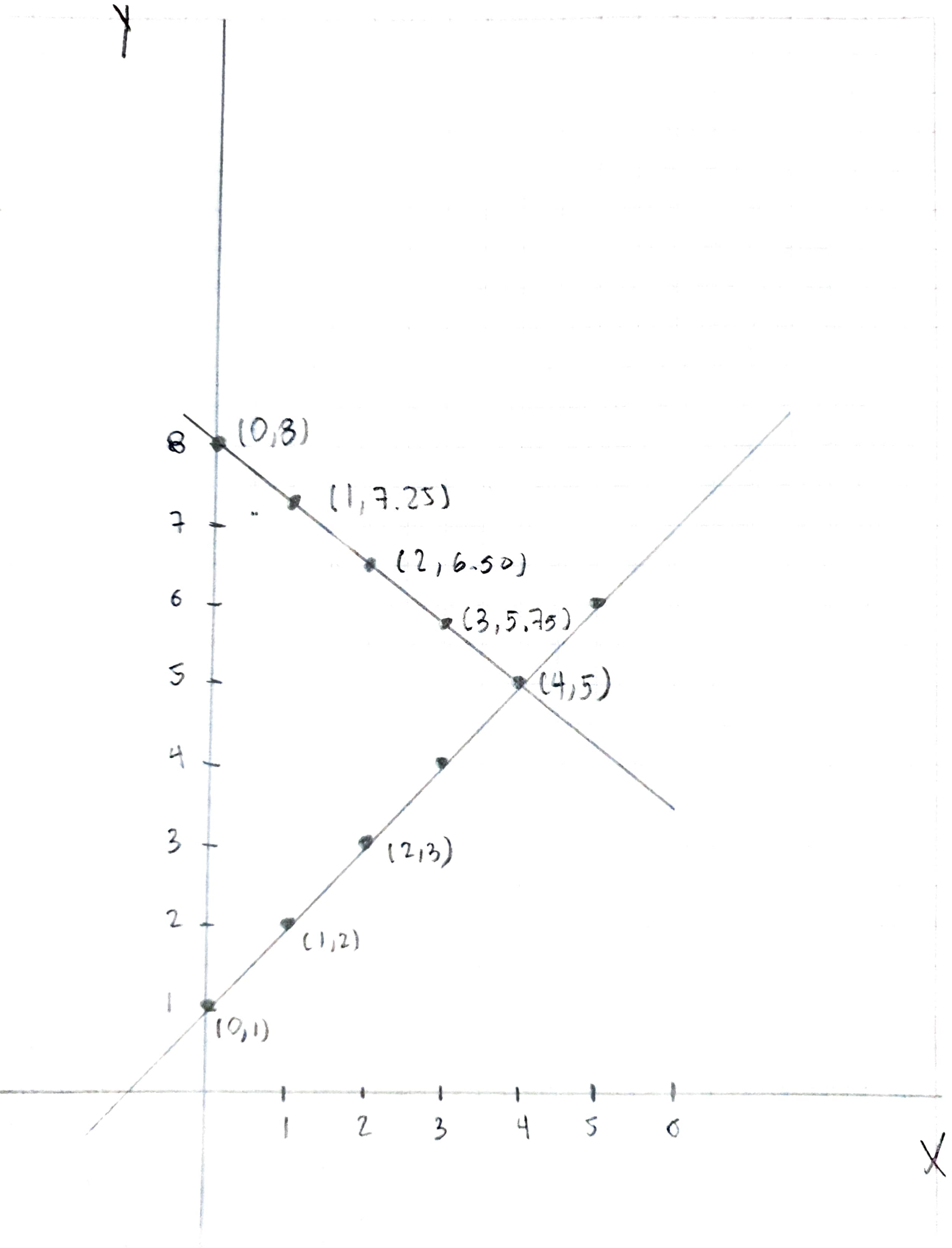
$Y = 0 + 8 = \boxed{8}$

$Y = \frac{-3}{4}(1) + 8$

$Y = -3/4 + 8 = \boxed{7.25}$

$Y = \frac{-3}{4}(2) + 8$

$Y = \boxed{6.5}$


Y
X
(0,8)
(1,7.25)
(2,6.50)
(3,5.75)
(4,5)
(2,3)
(1,2)
(0,1)
8
7
6
5
4
3
2
1
1
2
3
4
5
6