

**Universidad Mariano Gálvez de Guatemala**  
**Boca del Monte**

Ingeniería en Sistemas. Ciclo II, "c"  
Jornada Sábado.

**ALGEBRA LÍNEAL**

HENRRY WALDEMAR SONTAY CHAN

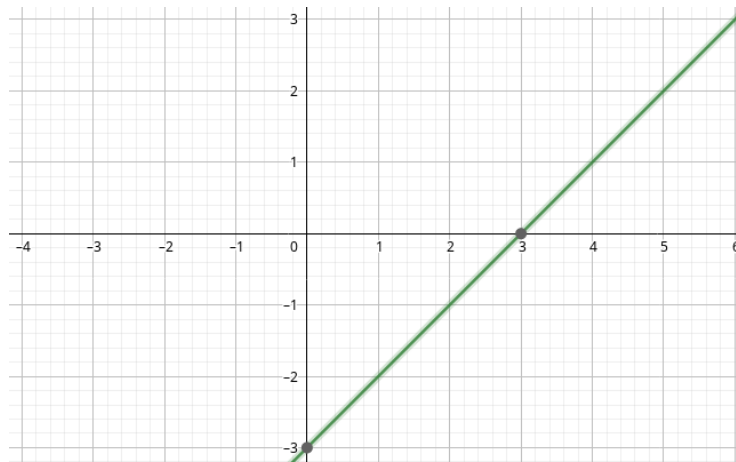


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**Carné:** 7690-20-17409

1.  $x - y = 3$

$$x = 3 + y$$

$$x = y + 3$$

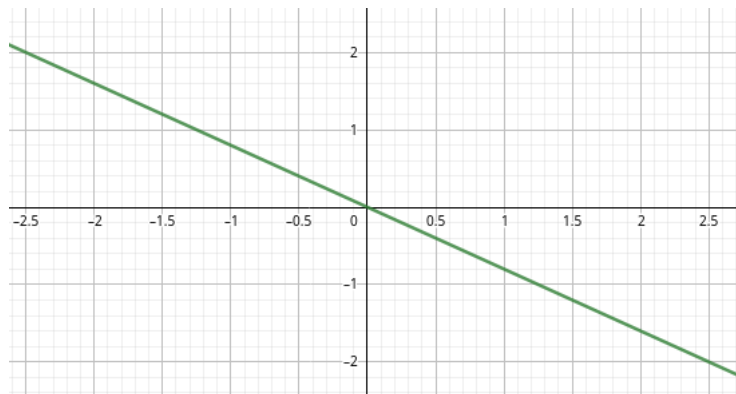


2.  $4x + 5y = 0$

$$4x = -5y$$

$$x = -5/4y$$

$$x = 1.25y$$

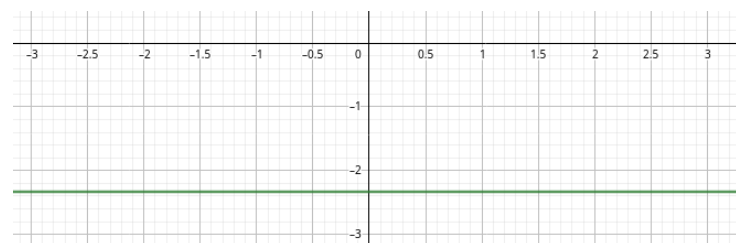


3.  $7x + 3y = 0$

$$3y - 7x$$

$$y = 7/3$$

$$y = -2.33$$

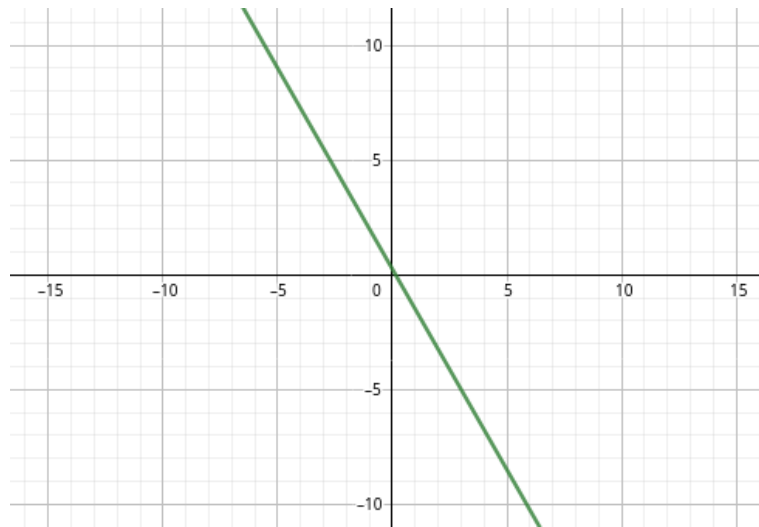


4.  $7x + 4y = 1$

$$4y = 1 - 7x$$

$$y = \frac{1}{4} - \frac{7}{4}x$$

$$y = -\frac{7}{4}x + \frac{1}{4}$$

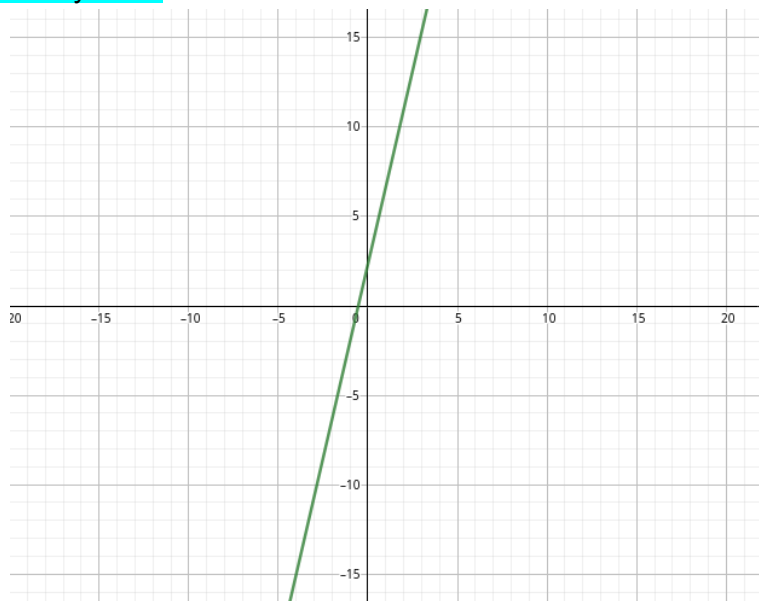


5.  $-13x + 3y = 7$

$$-13x = 7 - 3y$$

$$x = -\frac{7}{13} + \frac{3}{13}y$$

$$x = \frac{3}{13}y - \frac{7}{13}$$

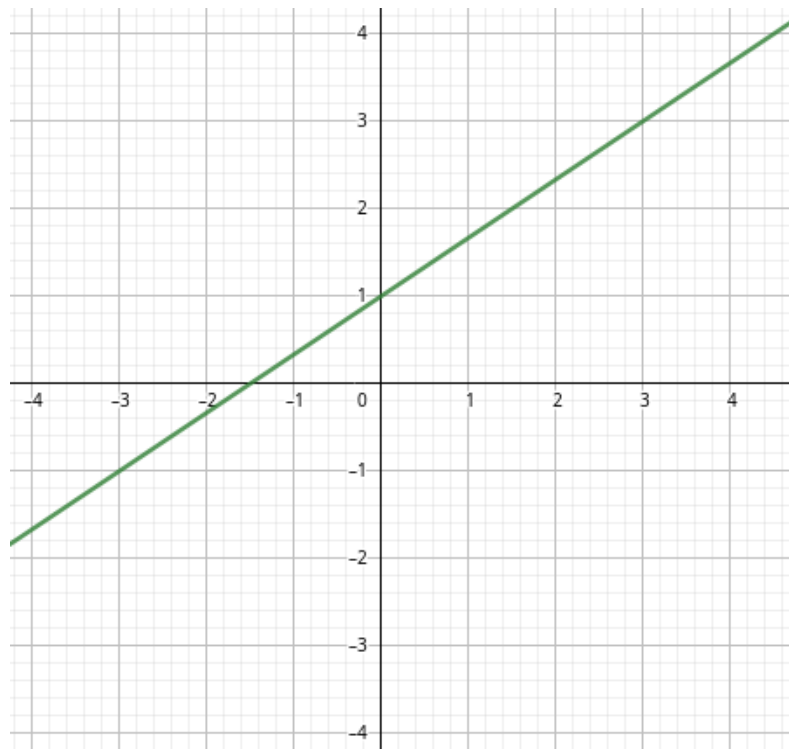


6.  $-2x + 3y = 3$

$$3y = 3 + 2x$$

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

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

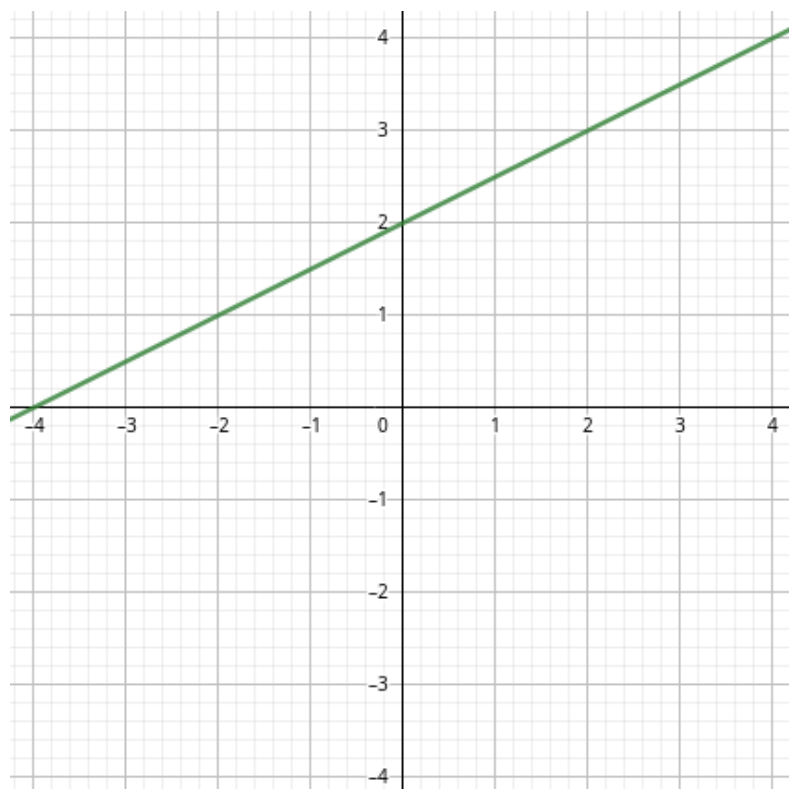


7.  $-2x + 4y = 8$

$$-2x = 8 - 4y$$

$$x = -4 + 2y$$

$$x = 2y - 4$$

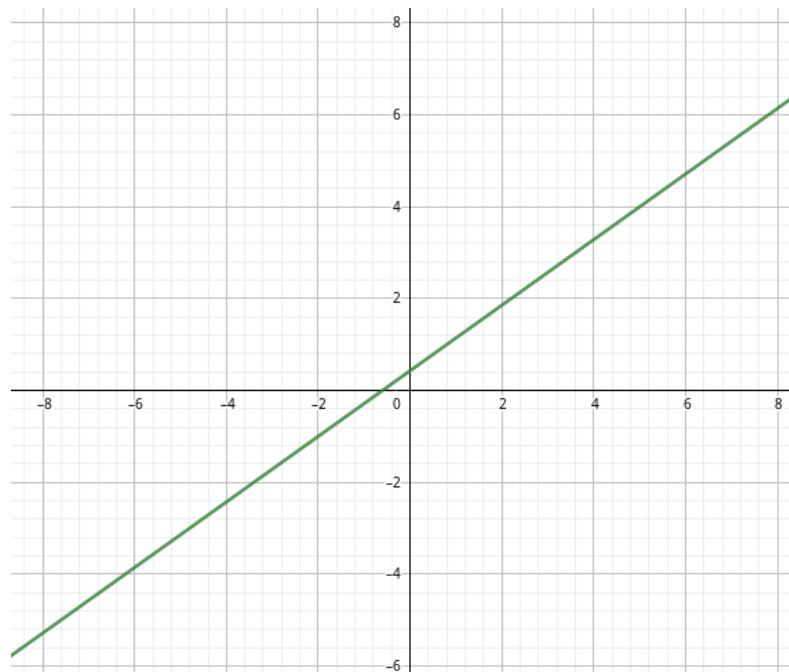


8.  $-5x + 7y = 3$

$$-5x = 3 - 7y$$

$$x = -3/5 + 7/5y$$

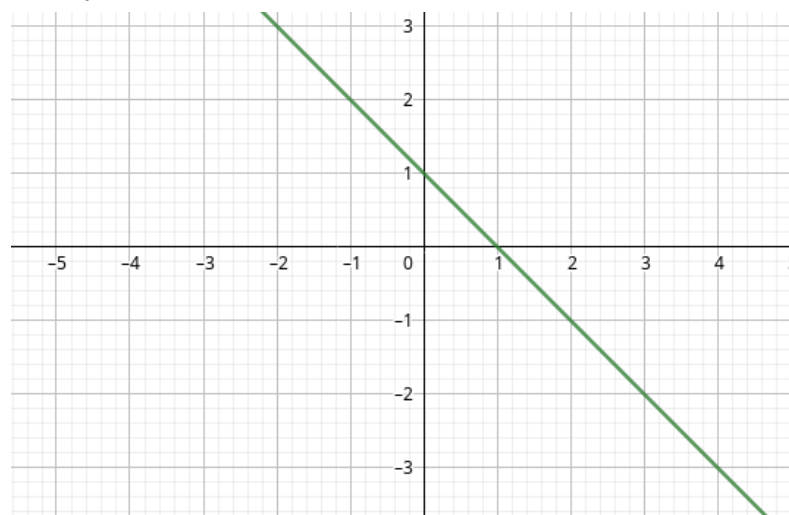
$$x = 7/5y - 3/5$$



9.  $ax + by = c$

$$ax = c - by$$

$$x = c - by/a$$

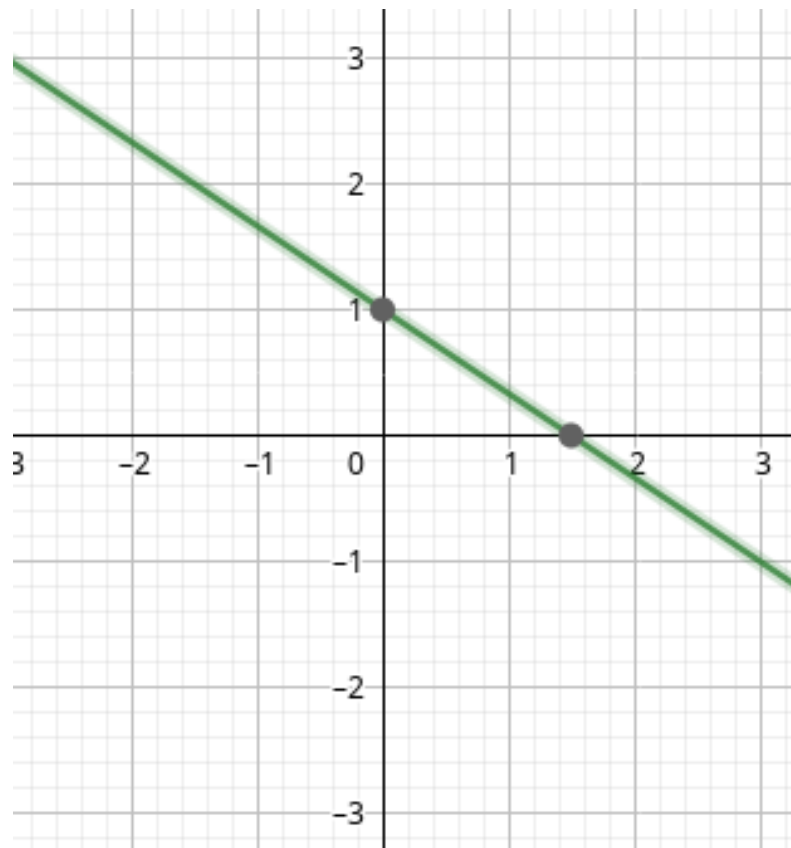


10.  $2x + 3y = 3$

$$3y = 3 - 2x$$

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

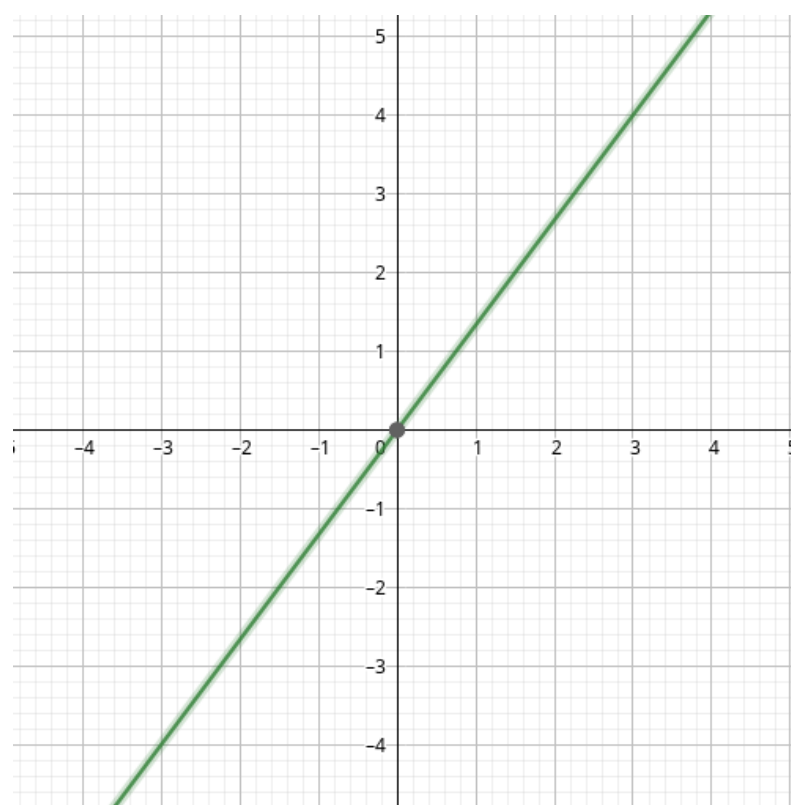
$$y = -\frac{2}{3}x + 1$$



11.  $4x - 3y = 0$

$$4x = 3y$$

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

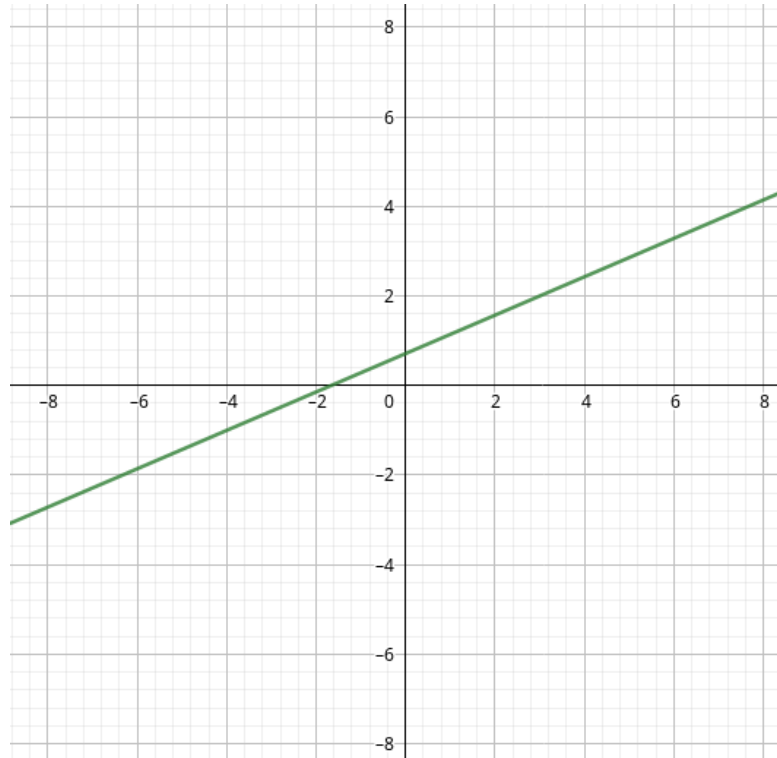


12.  $3x - 7y = -5$

$$3x = -5 + 7y$$

$$x = -5/3 + 7/3 y$$

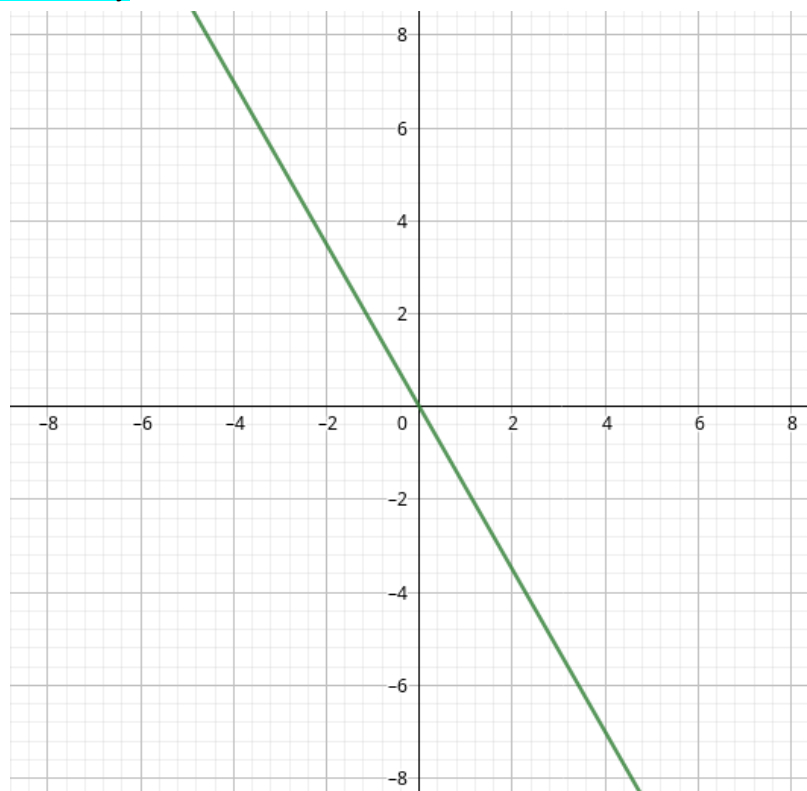
$$x = 7/3 y - 5/3$$



13.  $7x + 4y = 0$

$$7x = -4y$$

$$x = -4/7 y$$

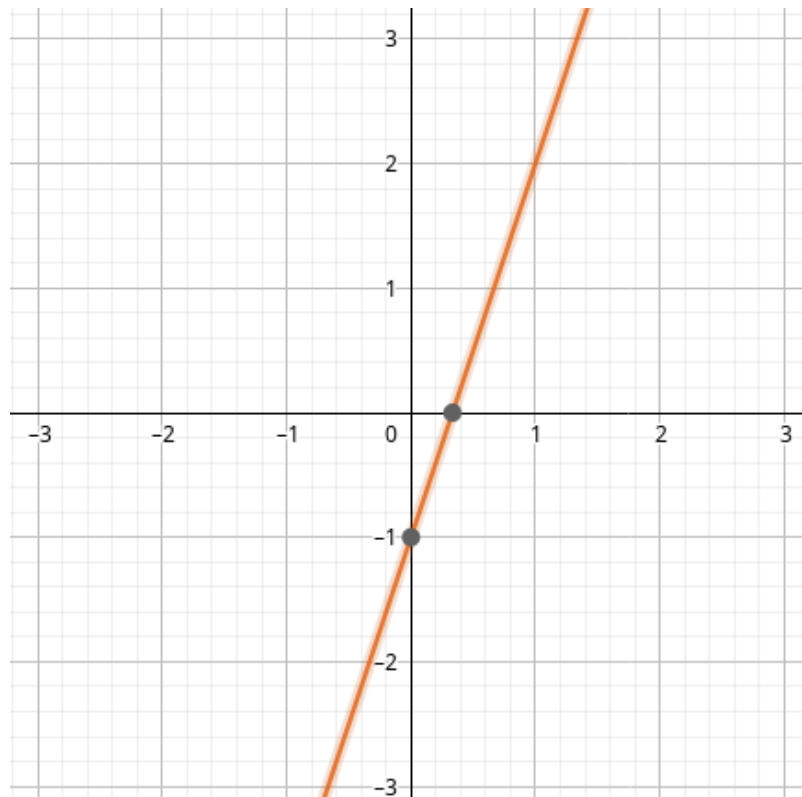


14.  $9x - 3y = 3$

$$9x = 3 + 3y$$

$$x = \frac{1}{3} + \frac{1}{3}y$$

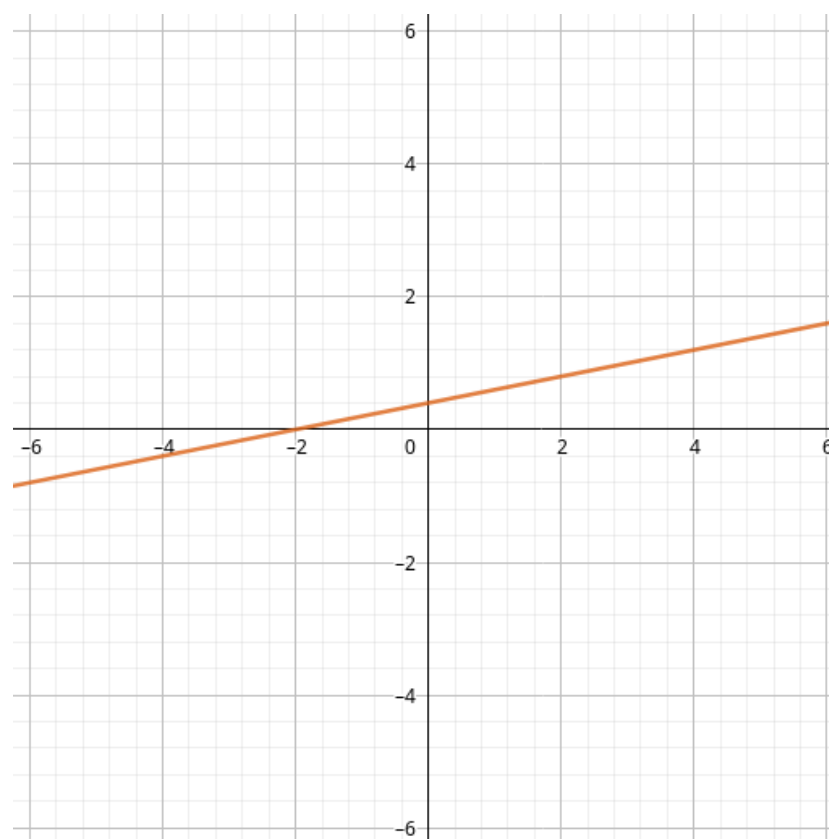
$$x = \frac{1}{3}y + \frac{1}{3}$$



15.  $x + 2y = 5$

$$x = 5 - 2y$$

$$x = -2 + 5y$$



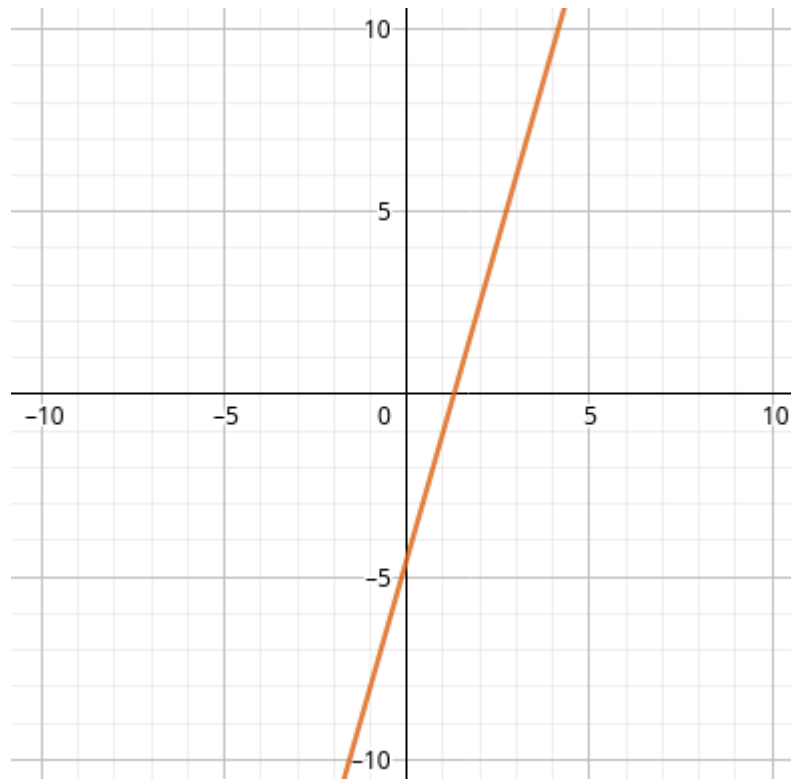


16.  $-7x + 2y = -9$

$$2y = -9 + 7x$$

$$y = -9/2 + 7/2 x$$

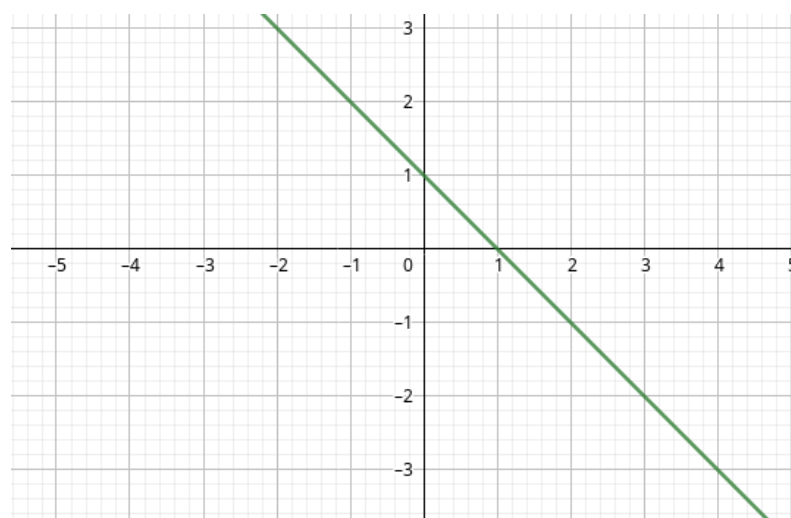
$$y = 7/2 x - 9/2$$



17.  $ax + by = c$

$$ax = c - by$$

$$x = c - by/a$$



18.  $bx + ay = d$

$$bx = d - ay$$

$$x = \frac{d - ay}{b}$$

