

Systems of Equations Worksheet 9 Answers

1.

(a) $x = \frac{7}{26}$

(b) $x = \frac{53}{20}$

(c) $x = -\frac{28}{83}$

2.

(a) $y = -\frac{4}{9}x - \frac{5}{9}$

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

(c) $y = -\frac{7}{10}x - 1$

3.

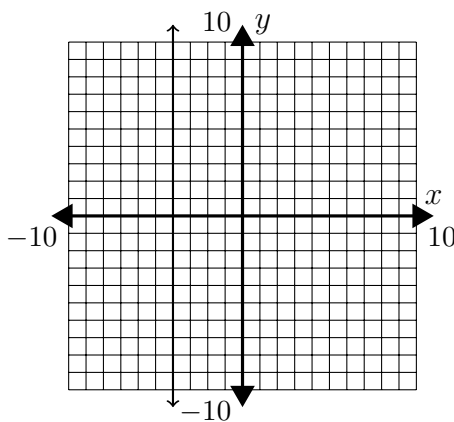
(a) $x = -\frac{9}{4}y - \frac{5}{4}$

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

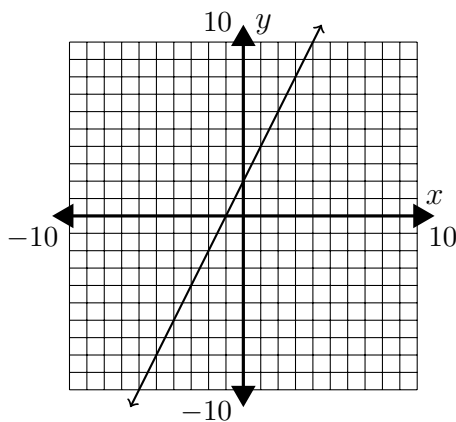
(c) $x = -\frac{10}{7}y - \frac{10}{7}$

4.

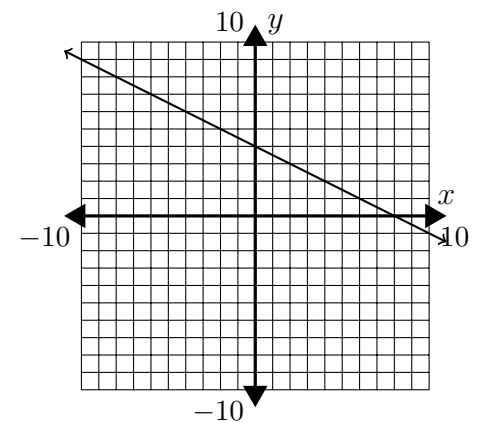
(a)



(b)



(c)



5.

(a) Slope-Intercept Form:

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

Standard Form:

$$2x + 5y = -20$$

(b) Slope-Intercept Form:

$$y = 5x + 4$$

Standard Form:

$$5x - y = -4$$

(c) Slope-Intercept Form:

$$y = \frac{1}{5}x$$

Standard Form:

$$x - 5y = 0$$