

Solving Systems of Equations by Graphing

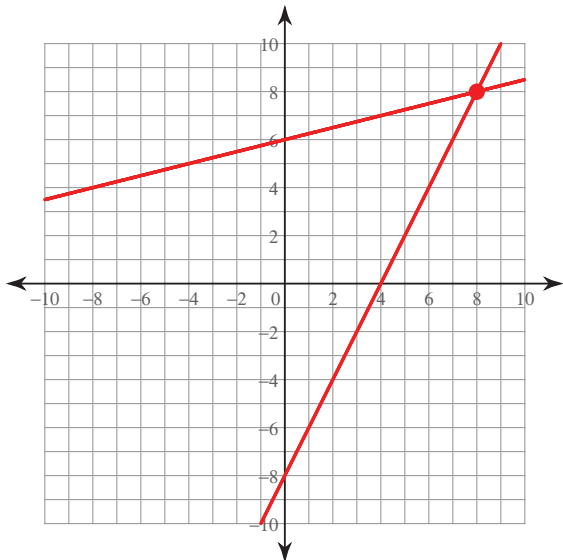
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Name _____ Date _____ Period _____

Solve each system by graphing.

$$1) \ y = \frac{1}{4}x + 6$$

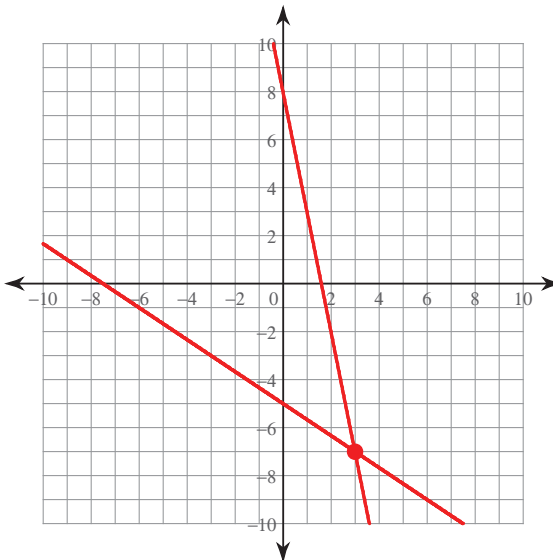
$$y = 2x - 8$$



(8, 8)

$$2) \ y = -5x + 8$$

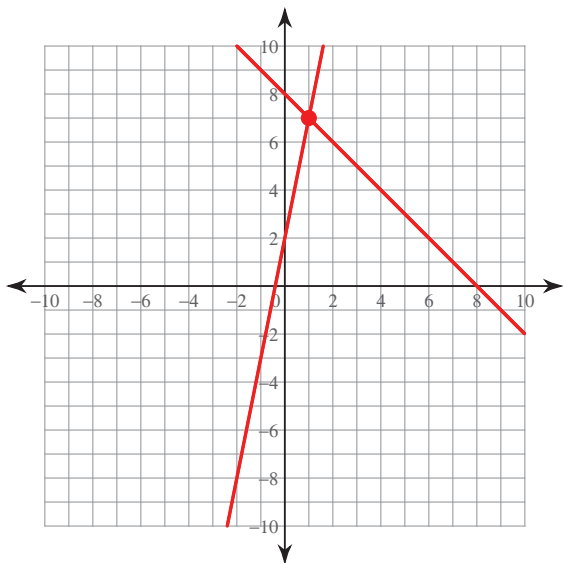
$$y = -\frac{2}{3}x - 5$$



(3, -7)

$$3) \ y = 5x + 2$$

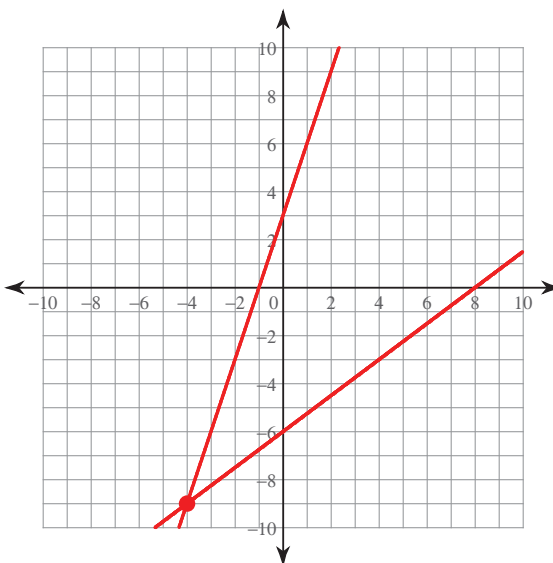
$$y = -x + 8$$



(1, 7)

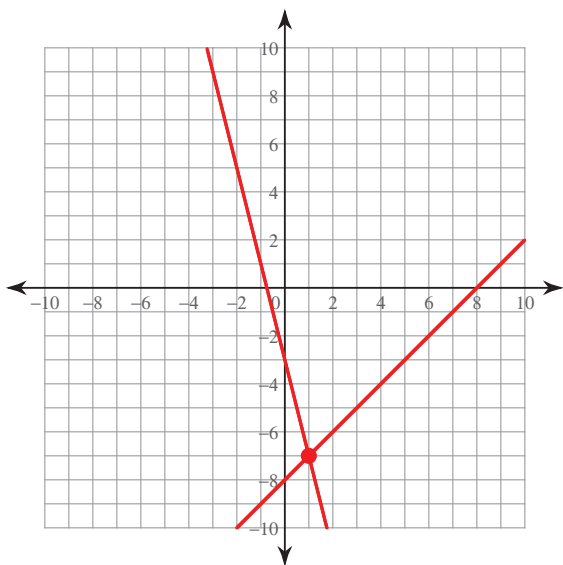
$$4) \ y = \frac{3}{4}x - 6$$

$$y = 3x + 3$$



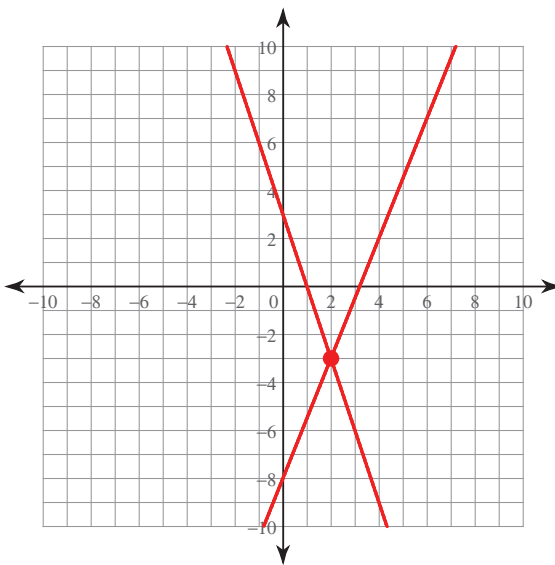
(-4, -9)

$$5) \begin{aligned} 0 &= -16 - 2y + 2x \\ 3 &= -4x - y \end{aligned}$$



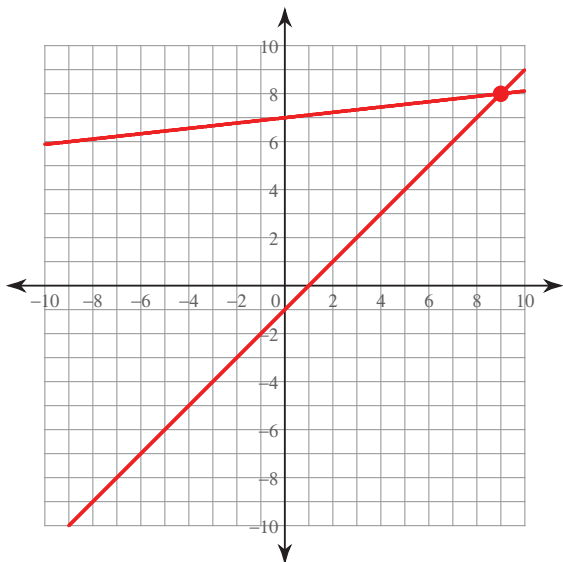
$(1, -7)$

$$6) \begin{aligned} -y &= 3x - 3 \\ y &= -8 + \frac{5}{2}x \end{aligned}$$



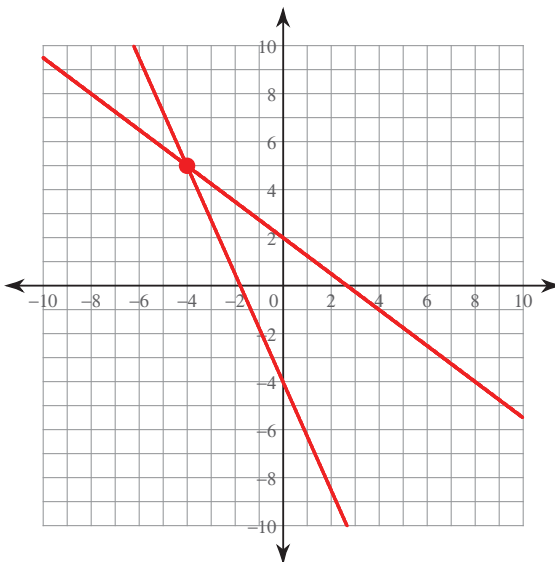
$(2, -3)$

$$7) \begin{aligned} x - 9y &= -63 \\ x - y &= 1 \end{aligned}$$



$(9, 8)$

$$8) \begin{aligned} 3x + 4y &= 8 \\ 9x + 4y &= -16 \end{aligned}$$



$(-4, 5)$