

**Systems of Equations Worksheet 9**

1. Solve each equation for the variable:

(a)  $-26x - 1 = -8$

(b)  $-5(-4x + 20) = -47$

(c)  $9(10x - 1) - 2x - 8 = 5(x - 9)$

2. Solve each equation for  $y$ :

(a)  $4x + 9y = -5$

(b)  $3x + 4y = -5$

(c)  $-7x - 10y = 10$

3. Solve each equation for  $x$ :

(a)  $4x + 9y = -5$

(b)  $3x + 4y = -5$

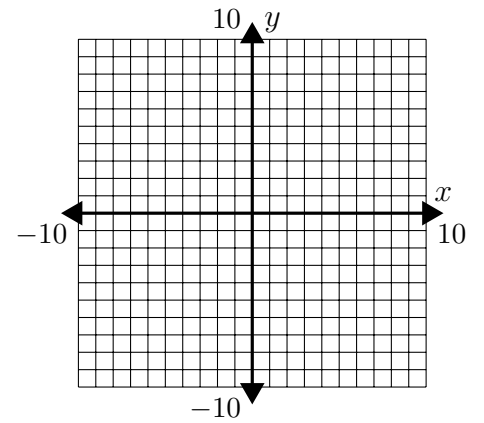
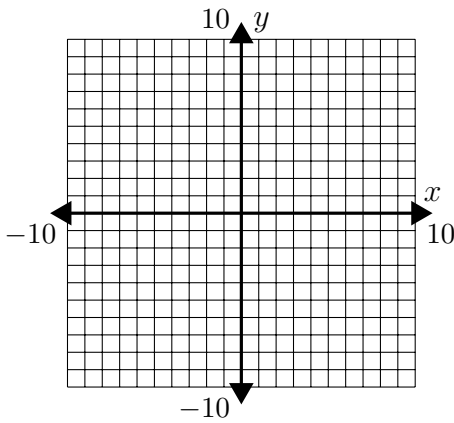
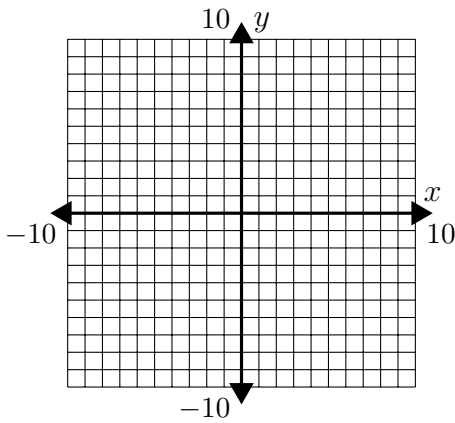
(c)  $-7x - 10y = 10$

4. Graph each of the following lines:

(a)  $x = -4$

(b)  $y = 2x + 2$

(c)  $y = -\frac{1}{2}x + 4$

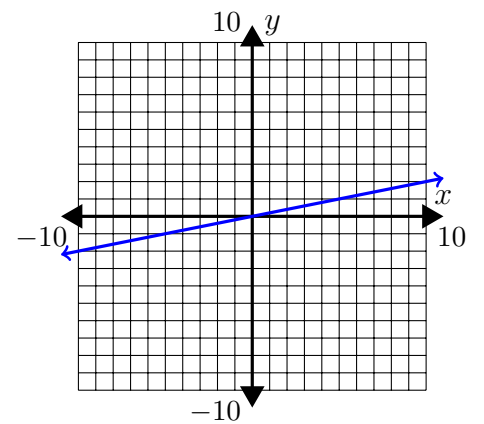
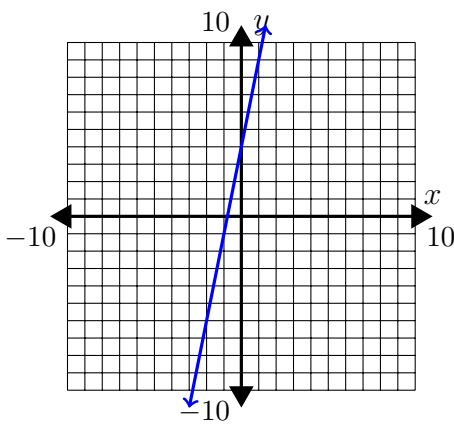
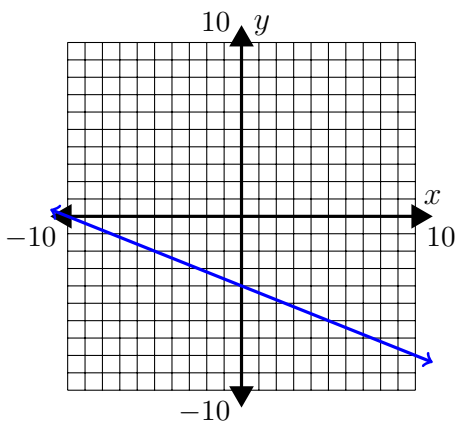


5. Write the equation of each line in slope-intercept form, then rewrite the equation in standard form:

(a)

(b)

(c)



Slope-Intercept Form:

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Standard Form:

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