

Linear Equations in Standard Form - Class Examples

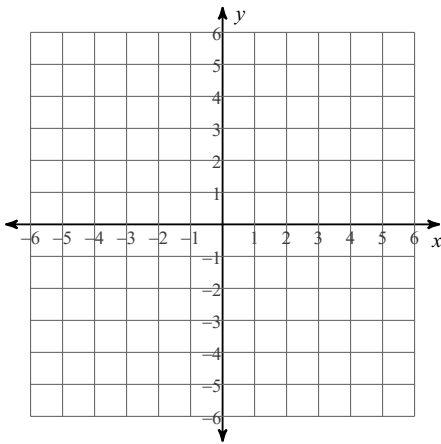
Date _____

Slope Intercept Form Application

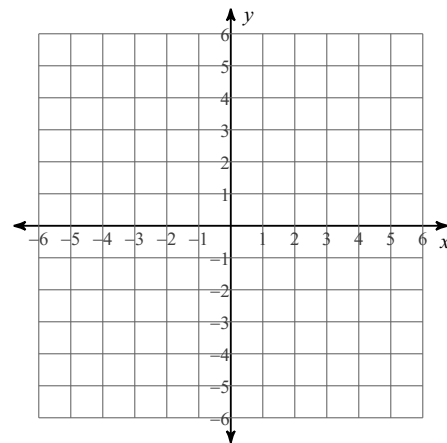
- 1) Toshelle wants to take strength training classes at the community center. She has to pay a one-time enrollment fee of \$25 to join the community center, and then \$45 for each class she wants to take. Write an equation in slope-intercept form for the cost of taking x classes.

Sketch the graph of each line.

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



3) $y = 6x + 2$

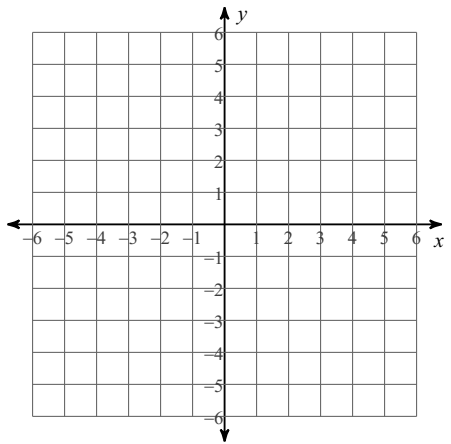
**Write the slope-intercept form of the equation of each line.**

4) $x + y = -2$

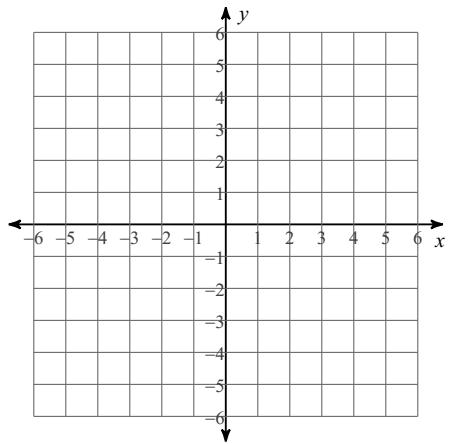
5) $5x + 6y = 36$

Sketch the graph of each line.

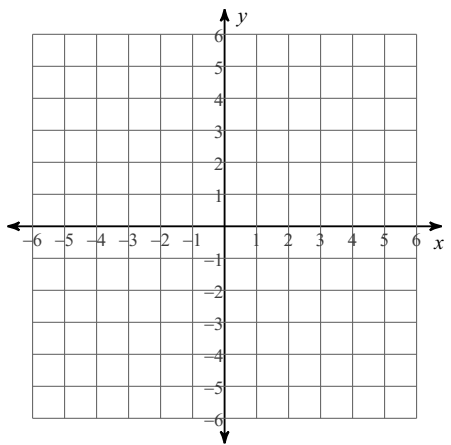
6) $x - y = -1$



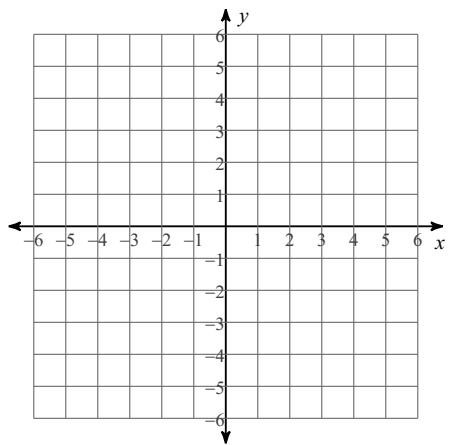
7) $2x + 3y = -3$



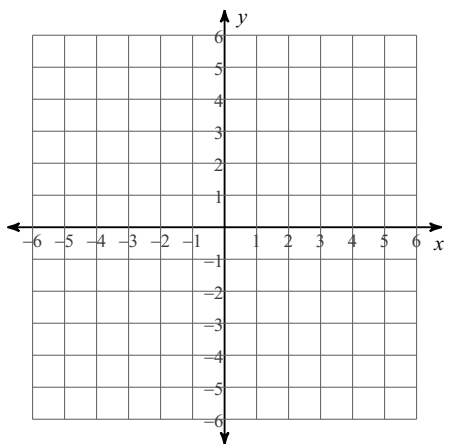
8) $y = -4$



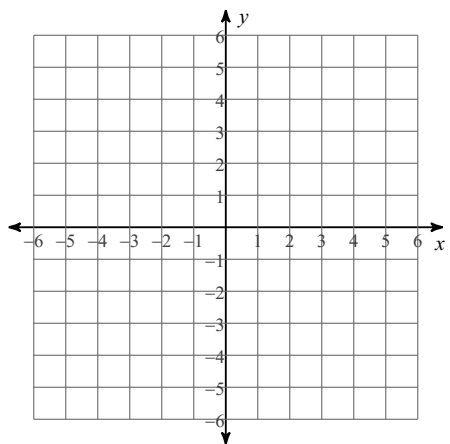
9) $x = -5$



10) $x - 3y = -12$



11) $8x - y = 5$



Linear Equations in Standard Form - Class Examples

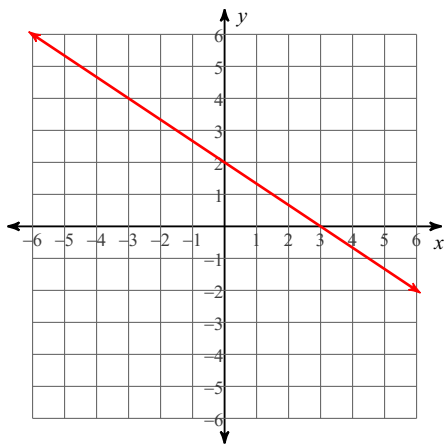
Date _____

Slope Intercept Form Application

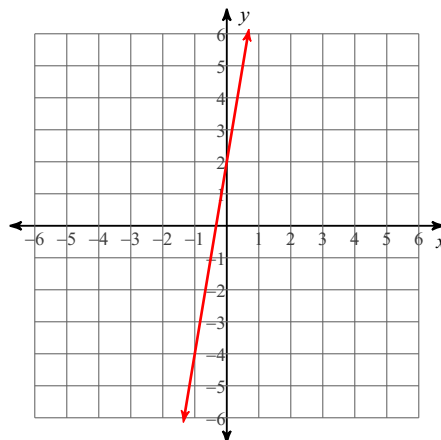
- 1) Toshelle wants to take strength training classes at the community center. She has to pay a one-time enrollment fee of \$25 to join the community center, and then \$45 for each class she wants to take. Write an equation in slope-intercept form for the cost of taking x classes.

Sketch the graph of each line.

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



3) $y = 6x + 2$

**Write the slope-intercept form of the equation of each line.**

4) $x + y = -2$

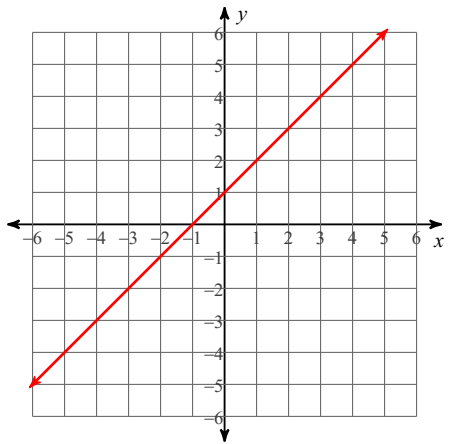
$y = -x - 2$

5) $5x + 6y = 36$

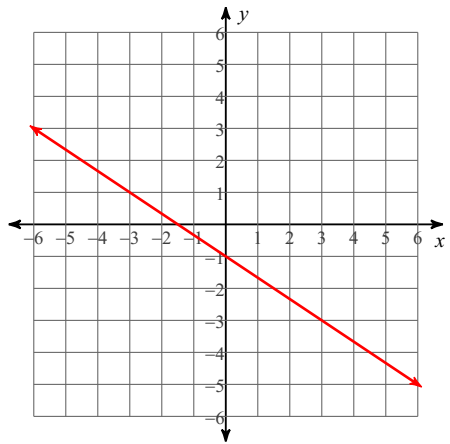
$y = -\frac{5}{6}x + 6$

Sketch the graph of each line.

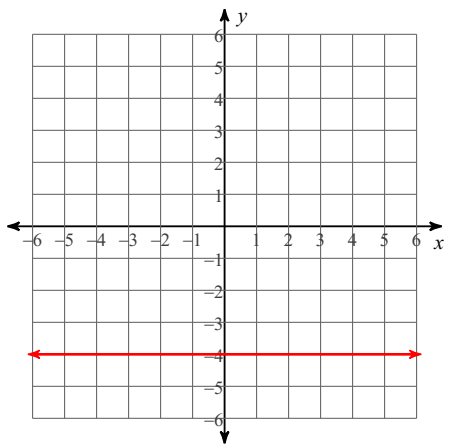
6) $x - y = -1$



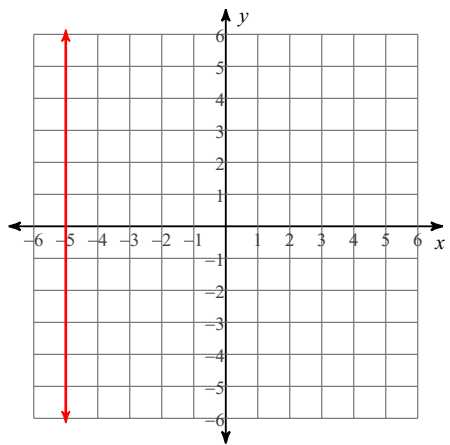
7) $2x + 3y = -3$



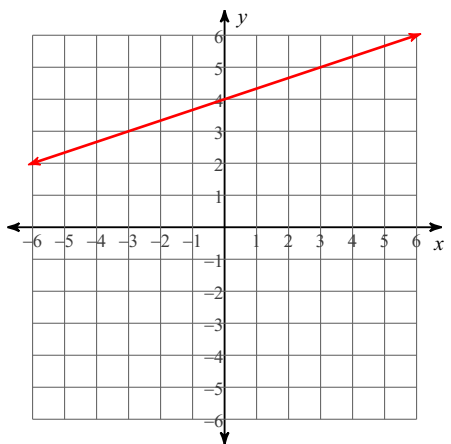
8) $y = -4$



9) $x = -5$



10) $x - 3y = -12$



11) $8x - y = 5$

