

## Linear Equations in Standard Form

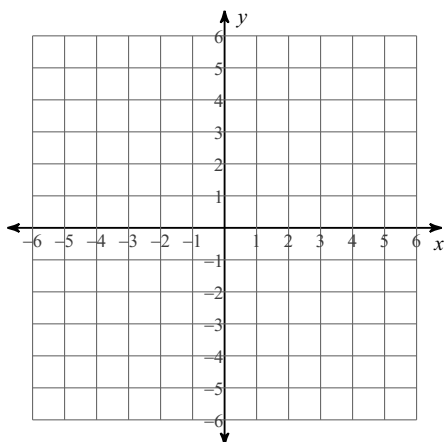
Date \_\_\_\_\_ Period \_\_\_\_\_

## Slope-Intercept Form Application Review

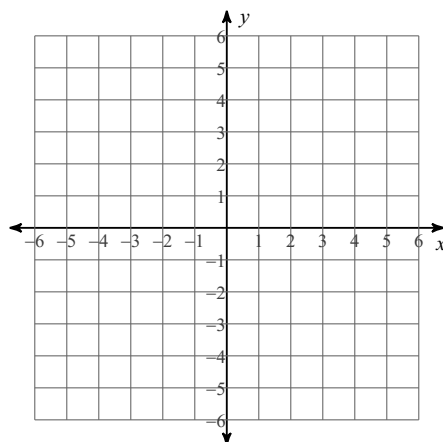
- 1) Wade's grandmother gave him \$100 for his birthday. Wade wants to save his money to buy a portable game console. Each month, he adds \$25 to his savings. Write an equation in slope-intercept form to represent Wade's savings  $y$ , after  $x$  months.

Sketch the graph of each line.

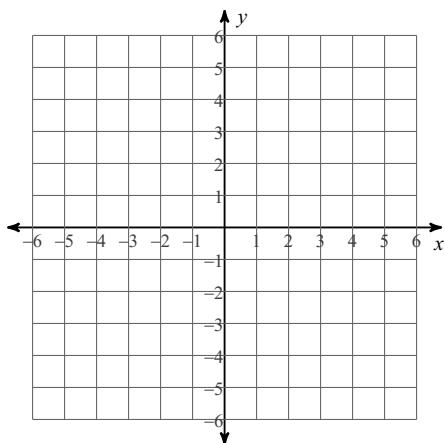
$$2) y = \frac{5}{2}x + 5$$



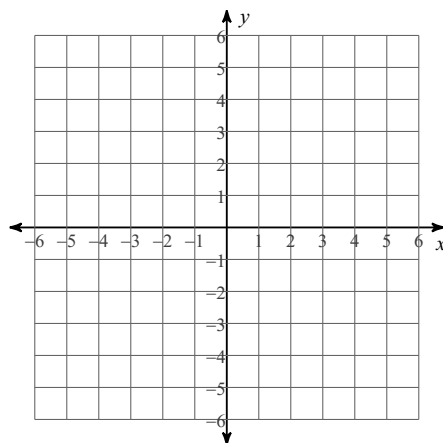
$$3) y = \frac{6}{5}x + 2$$



$$4) y = \frac{1}{2}x + 5$$



$$5) y = -\frac{3}{4}x - 2$$



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

$$6) x - y = -7$$

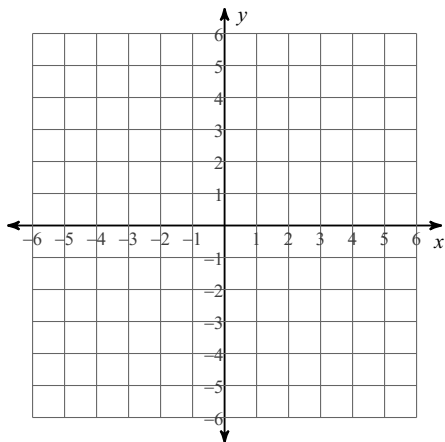
$$7) 5x - 2y = -4$$

8)  $x - 2y = -8$

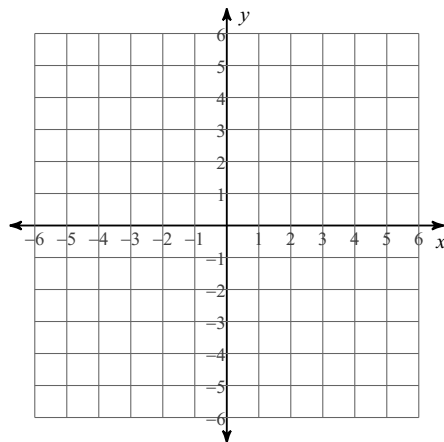
9)  $5x + 4y = 4$

Sketch the graph of each line.

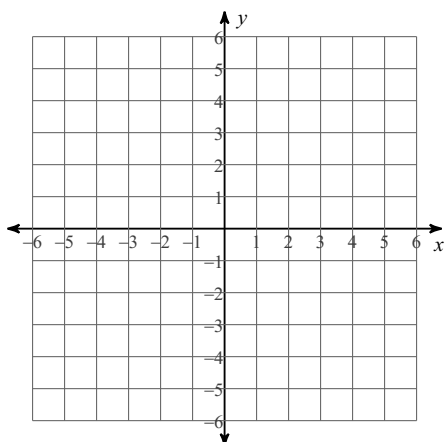
10)  $x + y = -2$



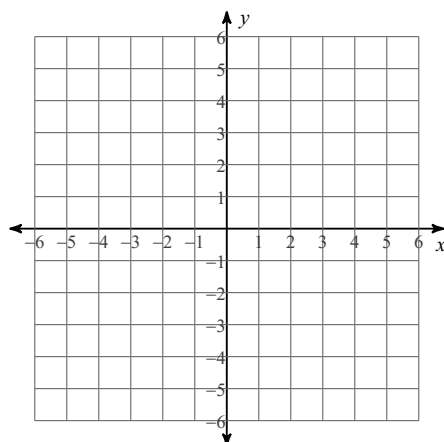
11)  $2x + 3y = -9$



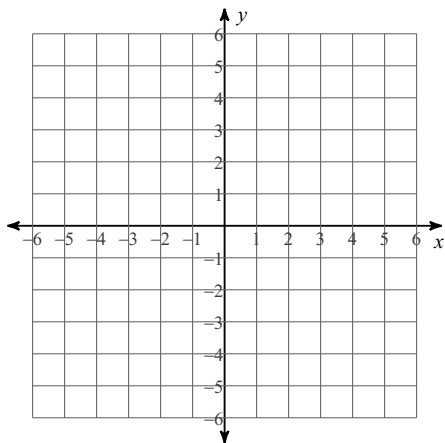
12)  $y = -4$



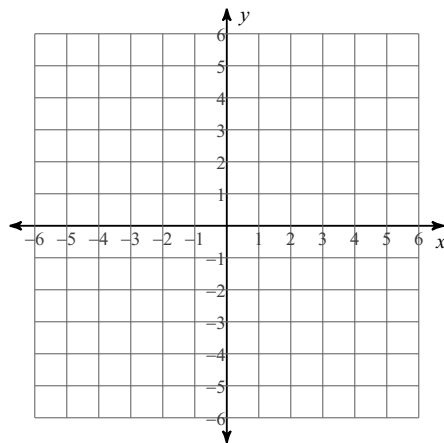
13)  $x = -5$



14)  $x - 3y = -12$



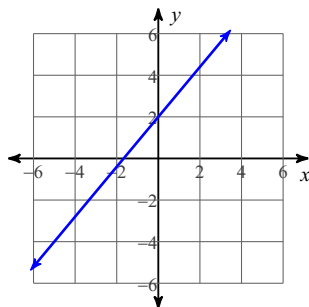
15)  $8x - y = 5$



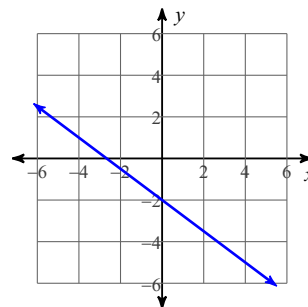
# Answers to Linear Equations in Standard Form

1)  $y = 25x + 100$

3)



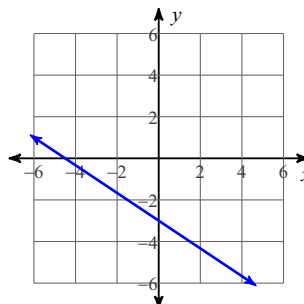
5)



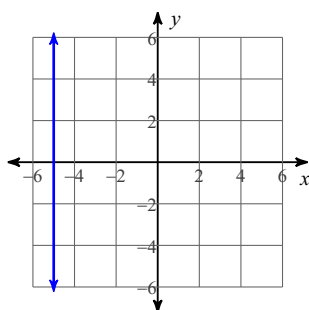
7)  $y = \frac{5}{2}x + 2$

9)  $y = -\frac{5}{4}x + 1$

11)



13)



15)

