

LESSON
6-1**Slope-Intercept Form****Practice and Problem Solving: A/B**

Write the equation for each line in slope-intercept form. Then identify the slope and the y-intercept.

1. $4x + y = 7$

Equation: _____

Slope: _____

y-intercept: _____

2. $2x - 3y = 9$

Equation: _____

Slope: _____

y-intercept: _____

3. $5x + 1 = 4y + 7$

Equation: _____

Slope: _____

y-intercept: _____

4. $3x + 2y = 2x + 8$

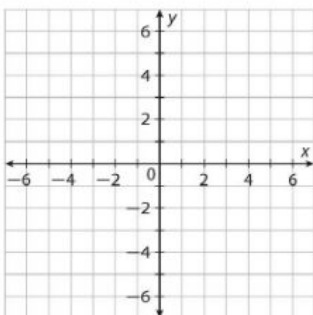
Equation: _____

Slope: _____

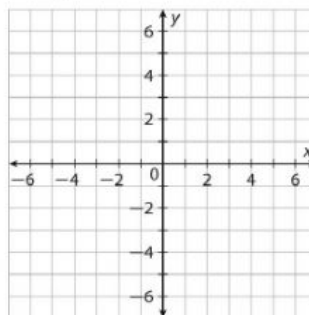
y-intercept: _____

Graph the line described by each equation.

5. $y = -3x + 4$



6. $y = \frac{5}{6}x - 1$



Solve.

7. What are the slope and y-intercept of $y = 3x - 5$?

8. A line has a y-intercept of -11 and slope of 0.25 . Write its equation in slope-intercept form.

9. A tank can hold 30,000 gallons of water. If 500 gallons of water are used each day, write the equation that represents the amount of water in the tank x days after it is full.