

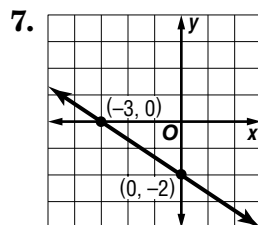
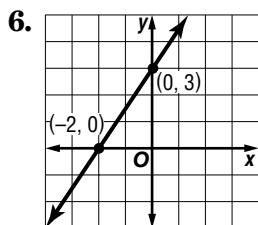
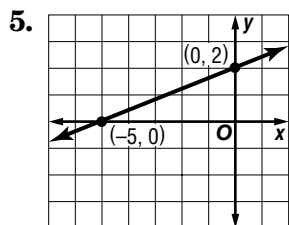
**5-3 Practice*****Slope-Intercept Form*****Write an equation of the line with the given slope and y-intercept.**

1. slope:  $\frac{1}{4}$ , y-intercept: 3

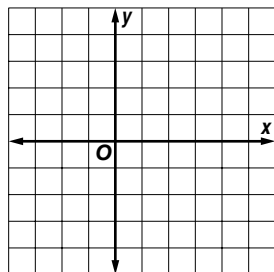
2. slope:  $\frac{3}{2}$ , y-intercept:  $-4$

3. slope: 1.5, y-intercept:  $-1$

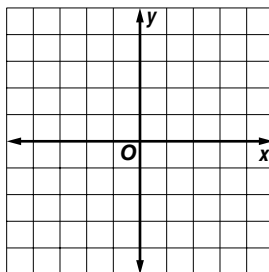
4. slope:  $-2.5$ , y-intercept: 3.5

**Write an equation of the line shown in each graph.****Graph each equation.**

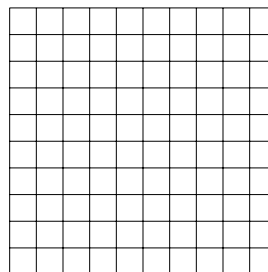
8.  $y = -\frac{1}{2}x + 2$



9.  $3y = 2x - 6$



10.  $6x + 3y = 6$

**Write a linear equation in slope-intercept form to model each situation.**

11. A computer technician charges \$75 for a consultation plus \$35 per hour.

12. The population of Pine Bluff is 6791 and is decreasing at the rate of 7 per year.

**WRITING For Exercises 13–15, use the following information.**

Carla has already written 10 pages of a novel. She plans to write 15 additional pages per month until she is finished.

13. Write an equation to find the total number of pages  $P$  written after any number of months  $m$ .

14. Graph the equation on the grid at the right.

15. Find the total number of pages written after 5 months.

