

3-4 Practice

Slope-Intercept Form

Write an equation of a line in slope-intercept form with the given slope and y-intercept.

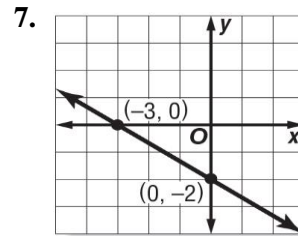
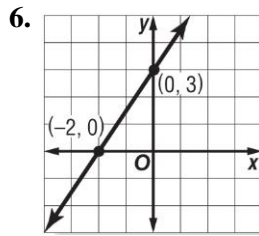
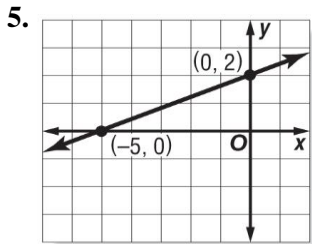
1. slope: $\frac{1}{4}$, y-intercept: 3

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

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

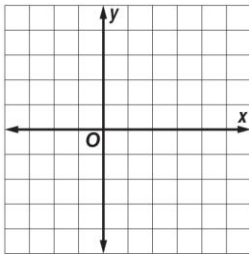
4. slope: -2.5, y-intercept: 3.5

Write an equation in slope-intercept form for each graph shown.

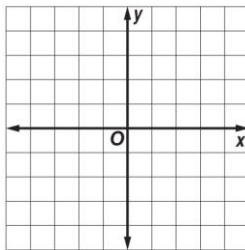


Graph each equation.

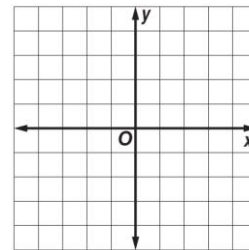
8. $y = -\frac{1}{2}x + 2$



9. $3y = 2x - 6$



10. $6x + 3y = 6$



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

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

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

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

