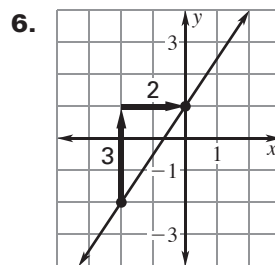
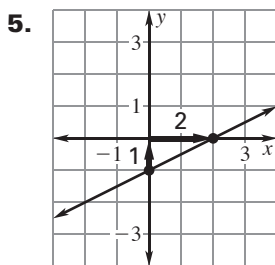
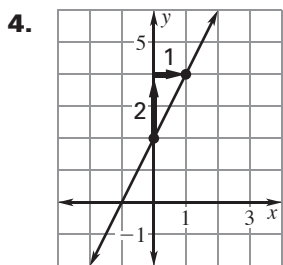
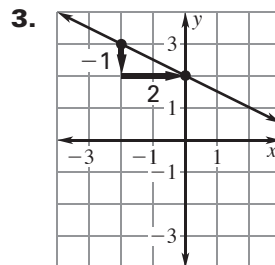
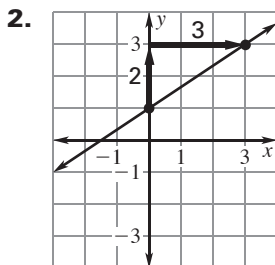
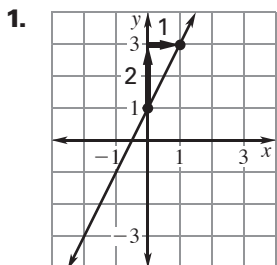


**LESSON**  
**3.5**

**Practice A**

For use with the lesson "Graph Using Slope-Intercept Form"

Identify the slope and y-intercept of the line whose graph is shown.



Identify the slope and y-intercept of the line with the given equation.

7.  $y = 3x + 4$

8.  $y = 5x - 2$

9.  $y = -2x + 8$

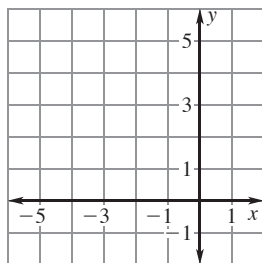
10.  $y = \frac{1}{2}x$

11.  $y = -\frac{3}{4}x - 1$

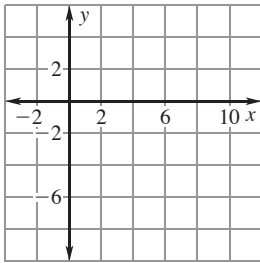
12.  $y - 4x = 4$

Graph the equation.

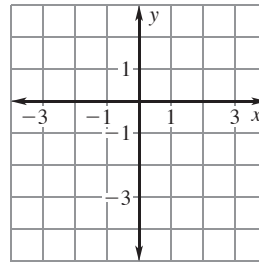
13.  $y = x + 5$



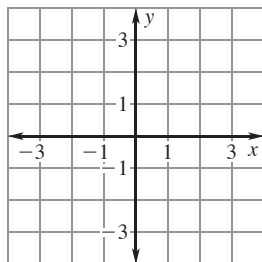
14.  $y = x - 7$



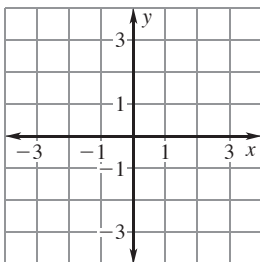
15.  $y = 2x - 3$



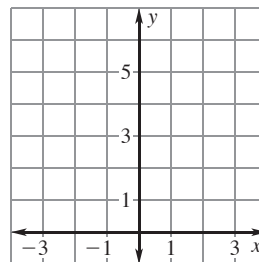
16.  $y = -4x + 1$



17.  $y = -3x - 1$



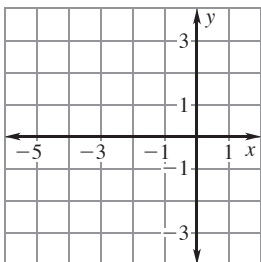
18.  $y = 6x$



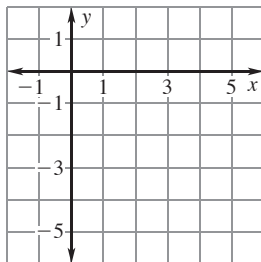
**LESSON**  
**3.5**

**Practice A** *continued*  
For use with the lesson "Graph Using Slope-Intercept Form"

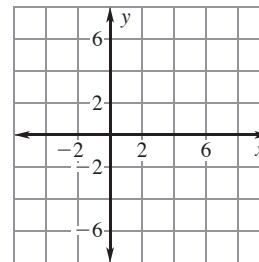
19.  $y = \frac{1}{3}x + 2$



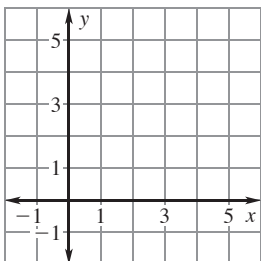
20.  $y = \frac{1}{5}x - 4$



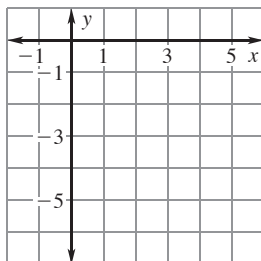
21.  $y = \frac{2}{3}x - 4$



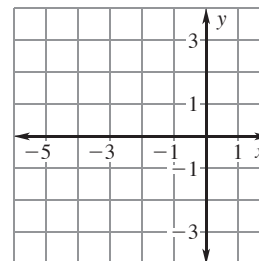
22.  $y = -\frac{1}{4}x + 3$



23.  $y = -\frac{1}{2}x - 4$



24.  $y = \frac{2}{5}x + 1$

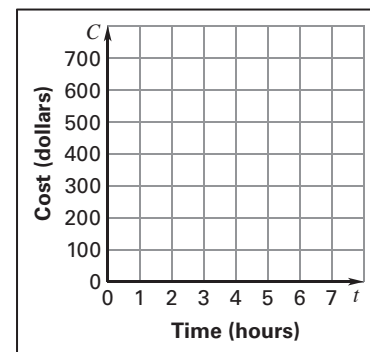


**Tell whether the graphs of the two equations are parallel lines.**

25.  $y = 3x - 1, y = 4 + 3x$

26.  $y = 5x + 2, y = 6 - 5x$

27. **Landscape Architect** A landscape architect charges \$100 for an initial consultation and then charges \$85 an hour to design the landscaping for an area. The total cost  $C$  (in dollars) is given by the equation  $C = 100 + 85t$  where  $t$  is the time (in hours) the architect works on the design.
- Graph the equation.
  - Suppose the architect raises the fee for the initial consultation to \$125 so that the total cost of a design that takes  $t$  hours to create is given by the equation  $C = 125 + 85t$ . Graph the equation on the same coordinate plane as the equation in part (a).
  - How much more does it cost for a design if it takes the architect 6 hours to create the design?



28. **Drum Lessons** You are taking drum lessons at a studio. Last year, the studio charged \$10 per lesson. This year, the studio raised its rates and charges \$12 per lesson. The total fee  $f$  (in dollars) for taking lessons last year is given by the equation  $f = 10l$  where  $l$  is the number of lessons you took. The total fee this year is given by the equation  $f = 12l$ . Graph the equations in the same coordinate plane. Use the graphs to find the difference between the fees a person could be charged for taking 48 lessons.

