NAME _____ DATE _____ PERIOD _____

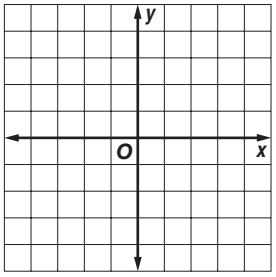
7-6 Practice

p. 393: 10 - 22 even

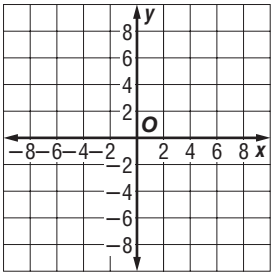
Slope-Intercept Form

Given the slope and *y*-intercept, graph each line.

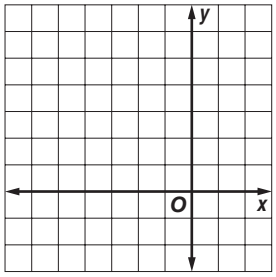
1. slope $= \frac{3}{4}$, y-intercept $= -3$



2. slope $= \frac{5}{6}$, y-intercept $= 1$

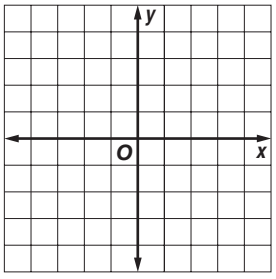


3. slope $= 1$, y-intercept $= 5$

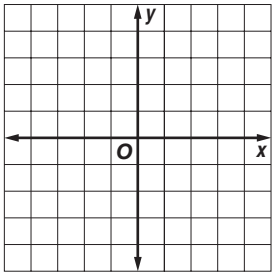


Graph each equation using the slope and *y*-intercept.

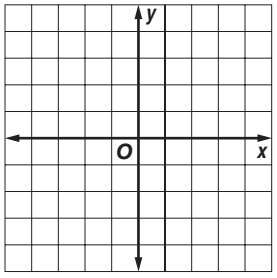
4. $y = -\frac{1}{2}x - 4$



5. $y = x - 4$



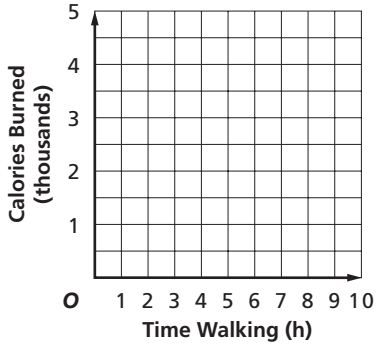
6. $y = -6x + 3$



EXERCISE For Exercises 7 and 8, use the following information.

A person weighing 150 pounds burns about 320 Calories per hour walking at a moderate pace. Suppose that the same person burns an average of 1500 Calories per day through basic activities. The total Calories y burned by that person can be represented by the equation $y = 320x + 1500$, where x represents the number of hours spent walking.

7. Graph the equation using the slope and y-intercept.



8. State the slope and y-intercept of the graph of the equation and describe what they represent.