Name

Date

## For use with pages 292-299 Practice continued

- 6. Oil Changes You are scheduled to start your job at an oil change shop 2 hours How many cars had their oil changed before you started work? changed. At what rate are cars getting their oil changed since you started working? changed since the shop opened. Three hours later, a total of 14 cars have had their oil after the shop opens. Two hours after you start, a total of 11 cars have had their oil
- 17. Motor Vehicle Licenses The amount of revenue brought in by states from motor revenue from motor vehicle licenses. year from 1990 to 2000. In 2000, the states brought in 15,099 million dollars in vehicle licenses increased at a relatively constant rate of 499.79 million dollars per
- a. What was the approximate revenue (in million dollars) from licenses in 1990?
- Ģ Write an equation that gives the revenue (in million dollars) as a function of the number of years since 1990.
- 9 Find the revenue from licenses in 1999.
- 18. metric tons imported as a function of the number of years since 1990. Find the year and vegetables were imported. Write an equation that gives the number of thousand Imports The number of metric tons of fruits, nuts, and vegetables imported into the in which the number of metric tons reached 8000 thousand metric tons. per year from 1990 to 2002. In 2002, about 9900.5 thousand metric tons of fruits, nuts, United States increased at a relatively constant rate of 437.5 thousand metric tons

53 UESSON

## Practice

For use with pages 302-308

Write an equation in point-slope form of the given point and has the given slope m. line that passes through the

1. 
$$(1, 9); m = -3$$

**2.** 
$$(4, -10); m = 2$$

3. 
$$(-5, 6); m = 4$$

**4.** 
$$(-2, -8)$$
;  $m = 3$ 

**5.** 
$$(-4, -7)$$
;  $m = -\frac{1}{2}$ 

**6.** 
$$(-9, 2); m = -$$

7. 
$$(6, -4)$$
;  $m = \frac{2}{3}$ 

**8.** 
$$(0, 15); m = \frac{4}{5}$$

**9.** 
$$(-8,0)$$
;  $m=$ 

7. 
$$(6, -4); m = \frac{\pi}{3}$$

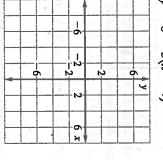
$$0, -4); m = \frac{3}{3}$$

3. 
$$(0, 15); m = \frac{1}{5}$$

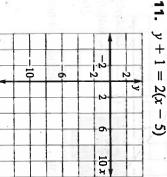
$$(-8, 0); m = 2$$

## Graph the equation.

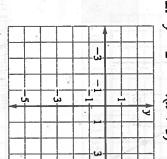
**10.** 
$$y-6=3(x-4)$$



11. 
$$y + 1 = 2(x)$$

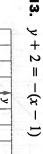


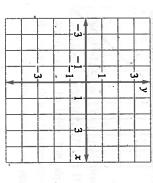
**12.** 
$$y-2=-4(x+3)$$

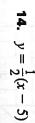


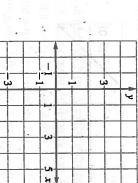
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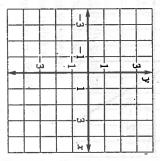








15 y+3=5x



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