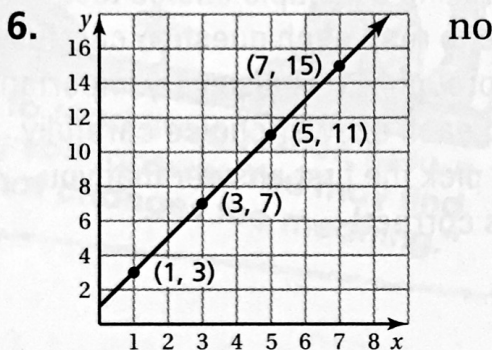
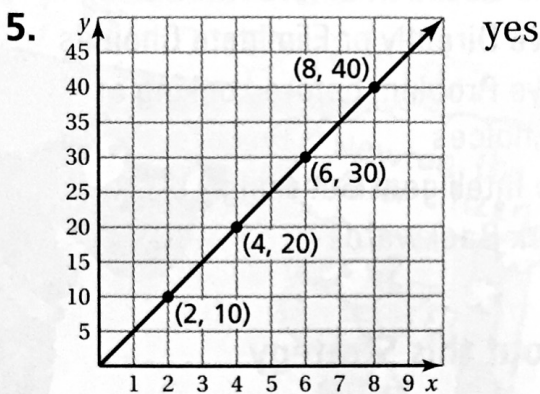


# Answers

- 7 miles per day
- $\frac{16}{25}$  kilometer per minute
- yes
- no



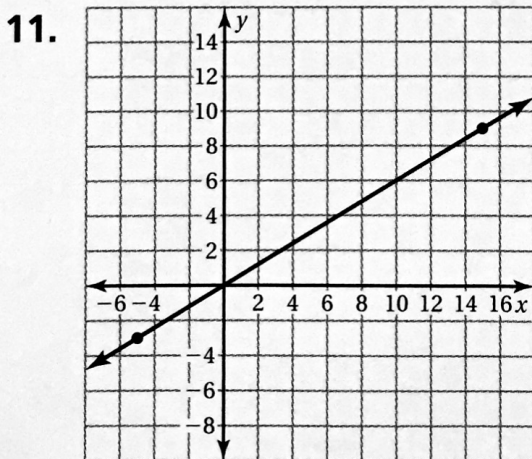
7. *Sample answer:*

$$\frac{8 \text{ gallons}}{6 \text{ gallons}} = \frac{m \text{ miles}}{180 \text{ miles}}$$

8. *Sample answer:*

$$\frac{6 \text{ classes}}{8 \text{ hours}} = \frac{c \text{ classes}}{4 \text{ hours}}$$

9.  $x = 18$       10.  $y = 34$



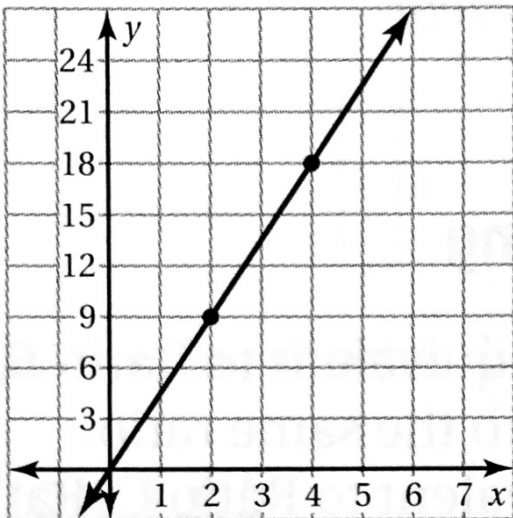
$$\text{slope} = \frac{3}{5}$$

12–17. See Additional Answers.

18. Add 6 quarts of yellow

# Chapter 14 Test

12.



$$\text{slope} = \frac{9}{2}$$

13. no; The equation cannot be written as  $y = kx$ .
14. no; The equation cannot be written as  $y = kx$ .
15. yes; The equation can be written as  $y = kx$ .
16. \$58
17. a. The number of cycles during the day is greater than the number of cycles during the night.
- b. Day: 40; Night: 30  
The crosswalk cycles 40 times per hour during the day and 30 times per hour during the night.