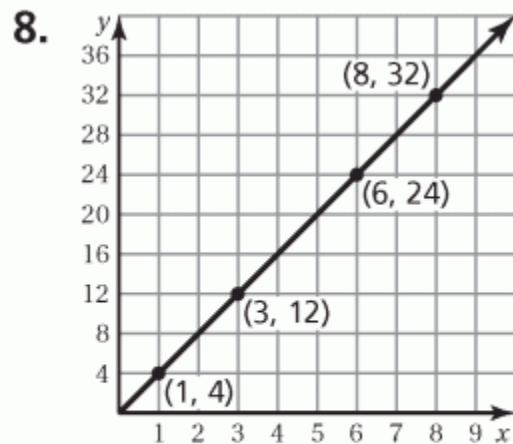# Chapter 5 Review (pg. 205)
Answers

1. 28.9 miles per gallon

2. 2.4 revolutions per second

3. 120 calories per serving

4. no

5. yes

6. no

7. yes

8.

   x and y are in a proportional relationship.

9. *Sample answer:*

$$\frac{8 \text{ penalties}}{6 \text{ penalties}} = \frac{m \text{ minutes}}{16 \text{ minutes}}$$

10. *Sample answer:*

$$\frac{15 \text{ songs}}{2.5 \text{ hours}} = \frac{18 \text{ songs}}{h \text{ hours}}$$

11. $x = 1.6$

12. $y = 6.25$

13. $w = 15$

14. $s = 1$

18. no; The equation cannot be written as $y = kx$.

19. yes; The equation can be written as $y = kx$.

20. yes; The equation can be written as $y = kx$.

21. no; The equation cannot be written as $y = kx$.