

LESSON
6.6

Practice B

For use with pages 396–403

Use the figure to complete the proportion.

1. $\frac{GC}{CF} = \frac{?}{DB}$

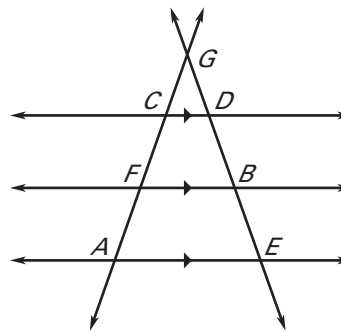
2. $\frac{AF}{FC} = \frac{?}{BD}$

3. $\frac{CD}{FB} = \frac{GD}{?}$

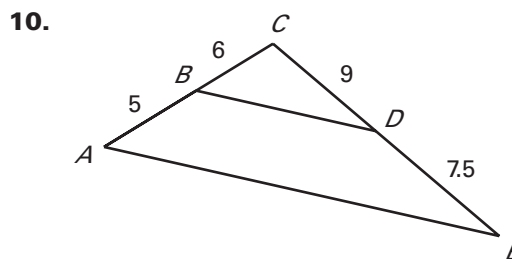
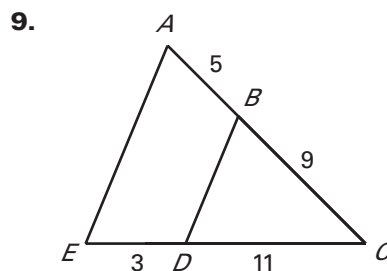
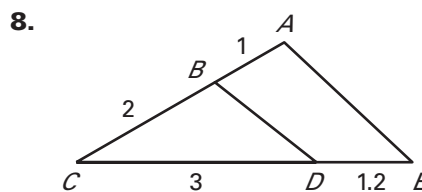
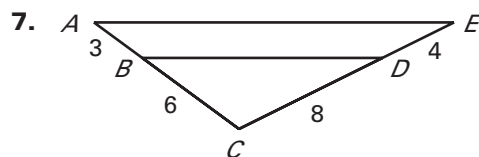
4. $\frac{AE}{CD} = \frac{GE}{?}$

5. $\frac{FG}{AG} = \frac{FB}{?}$

6. $\frac{GD}{GE} = \frac{?}{AE}$



Use the given information to determine whether $\overline{BD} \parallel \overline{AE}$.



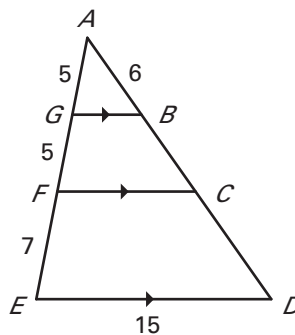
Determine the length of each segment.

11. \overline{BC}

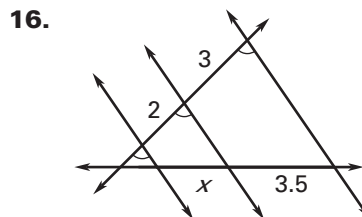
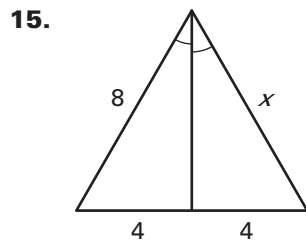
12. \overline{FC}

13. \overline{GB}

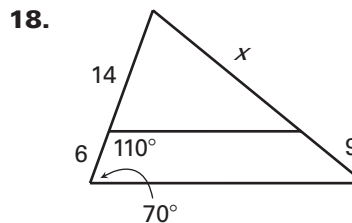
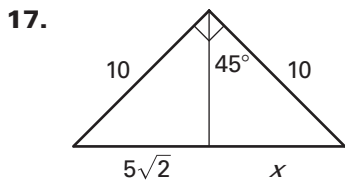
14. \overline{CD}



In Exercises 15–18, find the value of x .



LESSON 6.6 **Practice B** *continued*
For use with pages 396–403

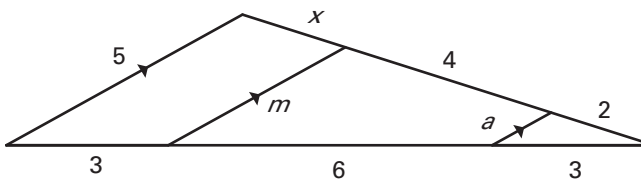


Find the value of the variable.

19. x

20. m

21. a



Use construction tools to divide the line segment into the given number of equal parts.

22. 4



23. 3

24. 2

25. Maps On the map below, 51st Street and 52nd Street are parallel. Charlie walks from point A to point B and then from point B to point C . You walk directly from point A to point C .

- a.** How many more feet did Charlie walk than you?
- b.** Park Avenue is perpendicular to 51st Street. Is Park Avenue perpendicular to 52nd Street? *Explain.*

