

Name _____

Date _____

LESSON 6.5

Practice B

For use with the lesson "Use Proportionality Theorems"

** Only do circled problems*

Use the figure to complete the proportion.

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

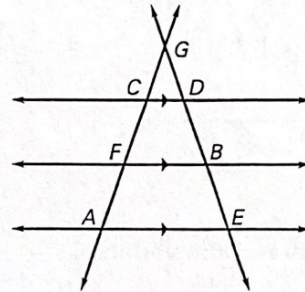
2. $\frac{AF}{FC} = \frac{?}{BD}$

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

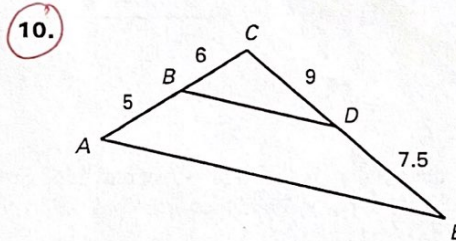
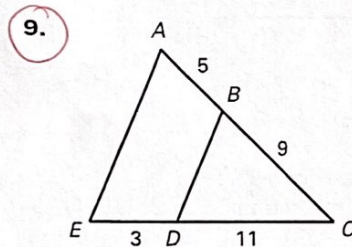
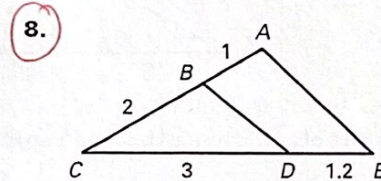
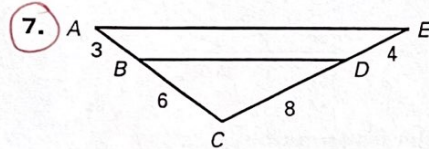
4. $\frac{AE}{CD} = \frac{GE}{?}$

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

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



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



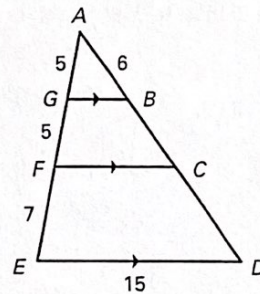
Determine the length of each segment.

11. \overline{BC}

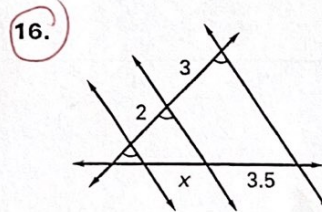
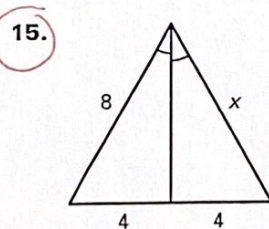
12. \overline{FC}

13. \overline{GB}

14. \overline{CD}



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



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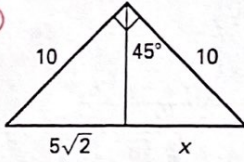
LESSON 6.5

Name _____

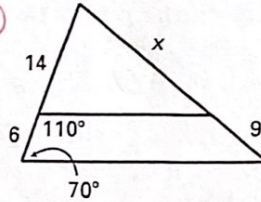
Date _____

LESSON 6.5 **Practice B** *continued*
For use with the lesson "Use Proportionality Theorems"

17.



18.

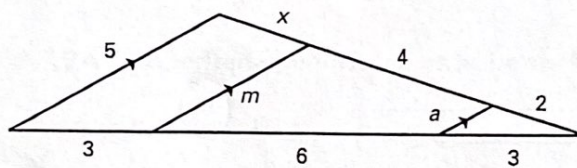


Find the value of the variable.

19. x

20. m

21. a



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

22. 4



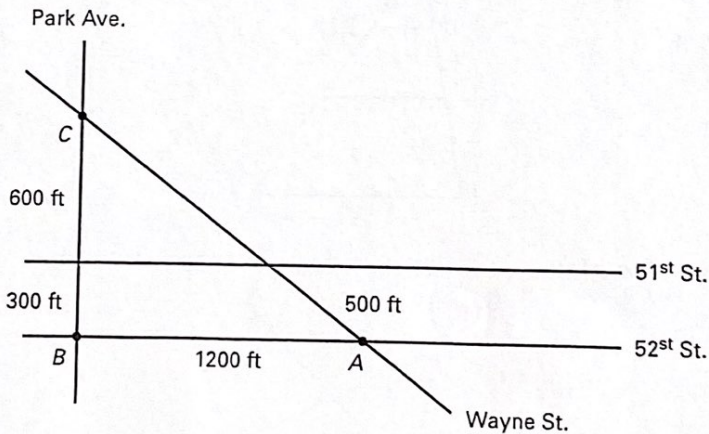
23. 3

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.*



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