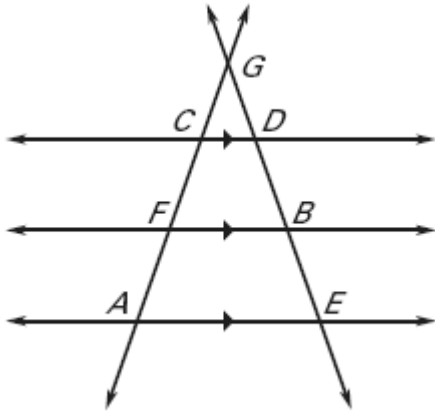


Name \_\_\_\_\_

Date \_\_\_\_\_

Assignment 55 LESSON 6.5

Use the figure to complete the proportion.



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

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

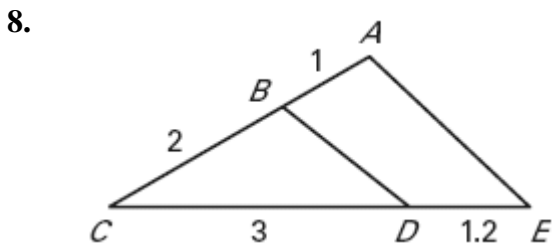
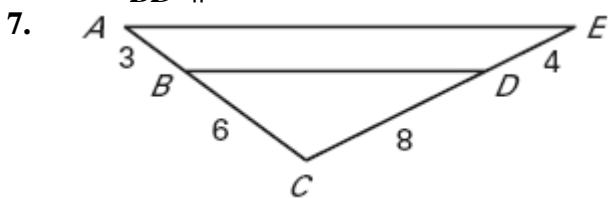
3.  $\frac{CD}{FB} = \frac{GD}{?}$

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

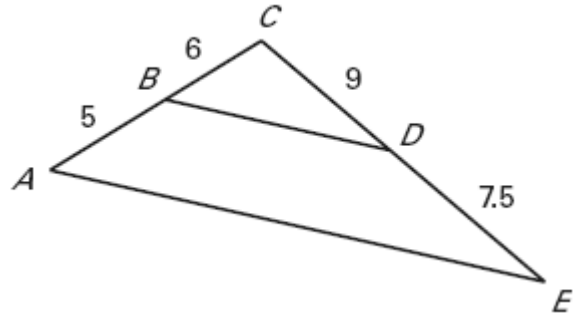
5.  $\frac{FG}{AG} = \frac{FB}{?}$

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

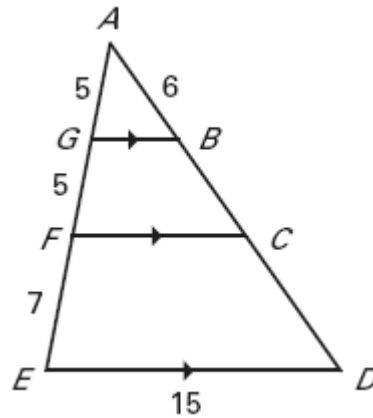
Use the given information to determine whether  $\overline{BD} \parallel \overline{AE}$ .



9.



Determine the length of each segment.



10.  $\overline{BC}$

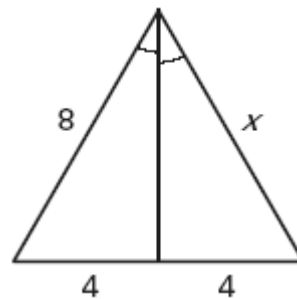
11.  $\overline{FC}$

12.  $\overline{GB}$

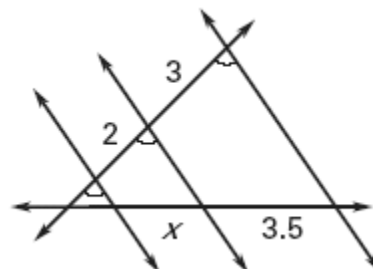
13.  $\overline{CD}$

In Exercises 14–18, find the value of  $x$ .

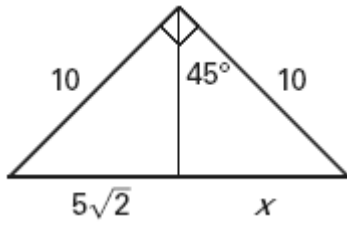
14.



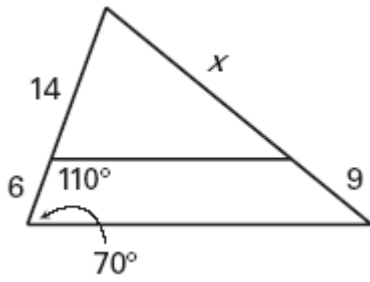
15.



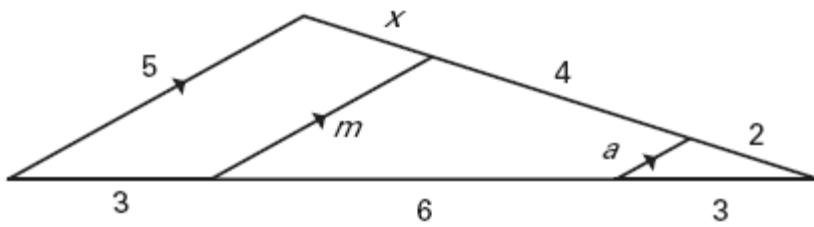
16.



17.



Find the value of the variable.



18.  $x$

19.  $m$

20.  $a$