

Name \_\_\_\_\_

Date \_\_\_\_\_

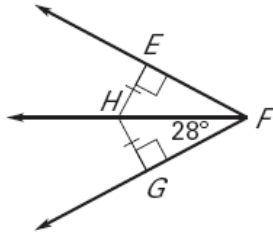
**LESSON 5.3**

**Practice B**

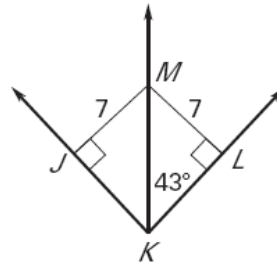
For use with pages 310-316

Use the information in the diagram to find the measure.

1. Find  $m\angle EFH$ .

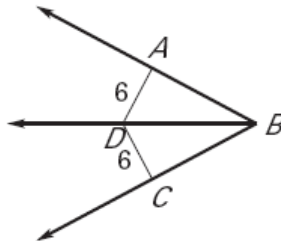


2. Find  $m\angle JKL$ .

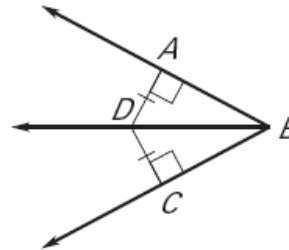


Can you conclude that  $\overrightarrow{BD}$  bisects  $\angle ABC$ ? Explain

3.

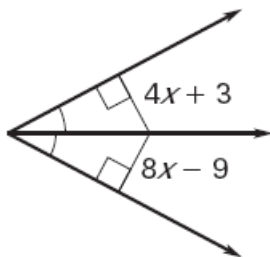


4.

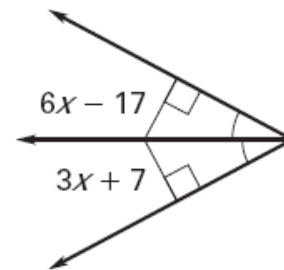


Find the value of  $x$ .

5.

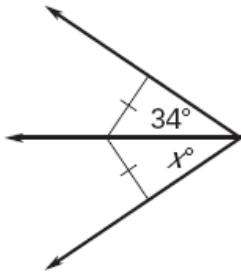


6.

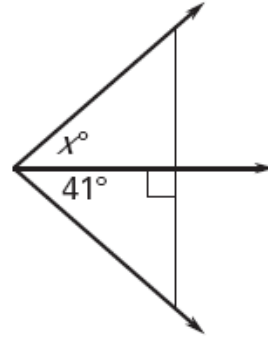


Can you find the value of  $x$ ? Explain.

7.

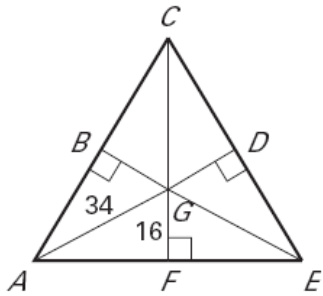


8.

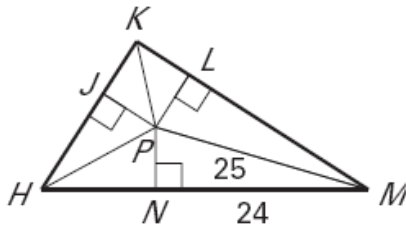


Find the indicated measure.

9. Point  $G$  is the incenter of  $\triangle ACE$ .  
Find  $BG$ .

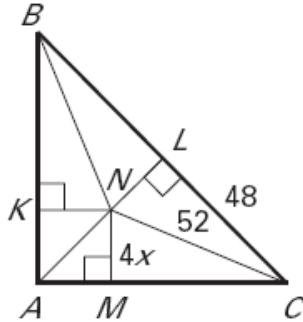


10. Point  $P$  is the incenter of  $\triangle HKM$ .  
Find  $JP$ .



Find the value of  $x$  that makes  $N$  the incenter of the triangle.

11.



12.

