

Name \_\_\_\_\_

Date \_\_\_\_\_

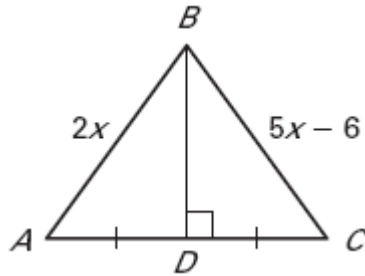
LESSON 5.2

**Practice B**

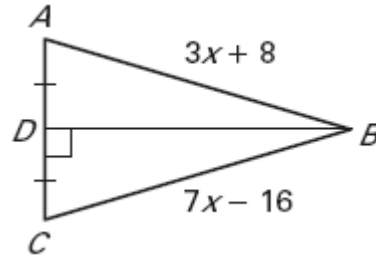
For use with pages 303–309

Find the length of  $\overline{AB}$ .

1.

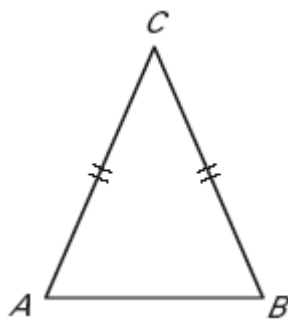


2.

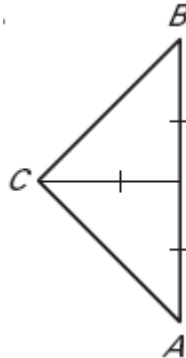


Tell whether the information in the diagram allows you to conclude that  $C$  is on the perpendicular bisector of  $\overline{AB}$ .

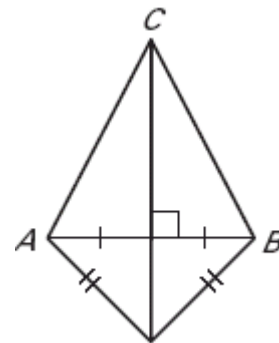
3.



4.

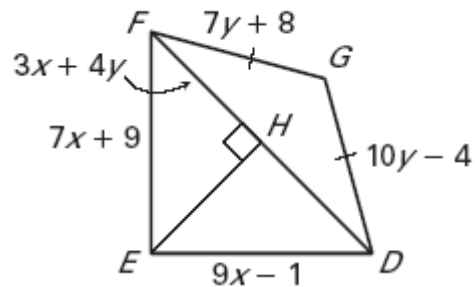


5.



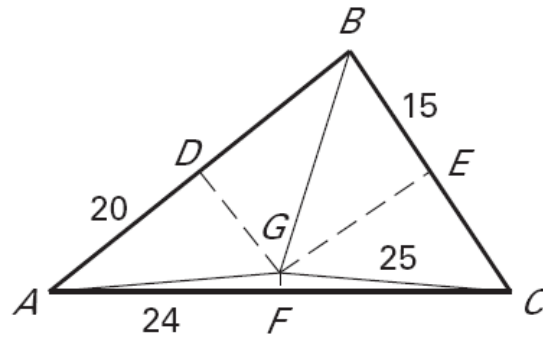
Use the diagram.  $\overline{EH}$  is the perpendicular bisector of  $\overline{DF}$ . Find the indicated measure.

6. Find  $EF$ .
7. Find  $DE$ .
8. Find  $FG$ .
9. Find  $DG$ .
10. Find  $FH$ .
11. Find  $DF$ .



In the diagram, the perpendicular bisectors of  $\triangle ABC$  meet at point  $G$  and are shown dashed. Find the indicated measure.

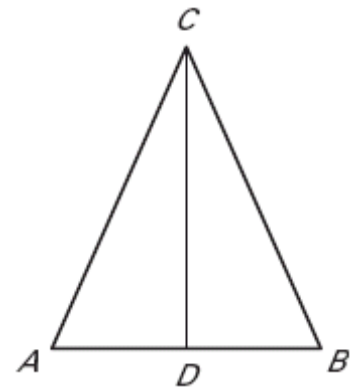
12. Find  $AG$ .
13. Find  $BD$ .
14. Find  $CF$ .
15. Find  $BG$ .
16. Find  $CE$ .
17. Find  $AC$ .



18. **GIVEN:**  $C$  is on the perpendicular bisector of  $\overline{AB}$ .

**PROVE:**  $\triangle ACD \cong \triangle BCD$

Statements	Reasons



19. **GIVEN:**  $\triangle GHJ \cong \triangle FHJ$

**PROVE:**  $\overline{EF} \cong \overline{EG}$

Statements	Reasons

