Name_____   Date_____

Practice C

For use with pages 310-316

Find the value of *x*.

1.

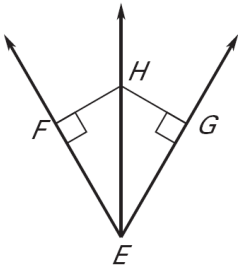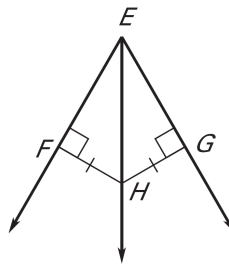

$8x - 12$ $2x + 33$

2.

$(8x - 63)°$

$(4x - 27)°$
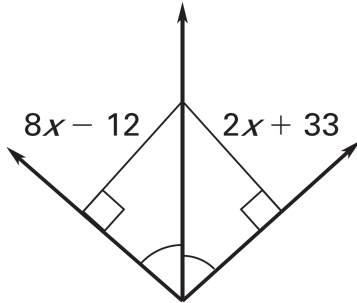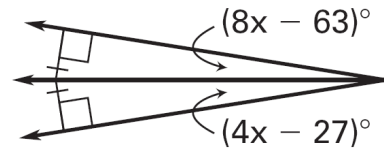
Can you conclude that $\overrightarrow{EH}$ bisects $\angle FEG$? Explain

3.

4.

5.
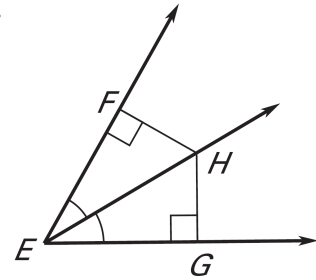
Can you find the value of *x*?

6.

$x - 2$

9

7.

$3x + 2$

11
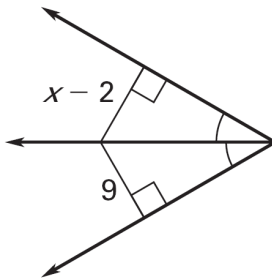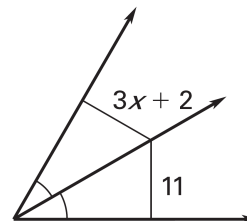
Find the indicated measure.

8. Find *DG*.
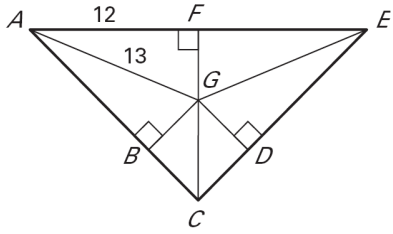
9. Find *BG*.
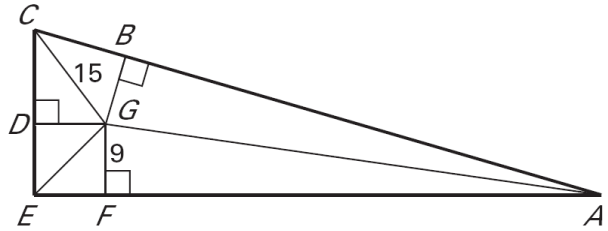
Find the value of *x* that makes *N* the incenter of the triangle.
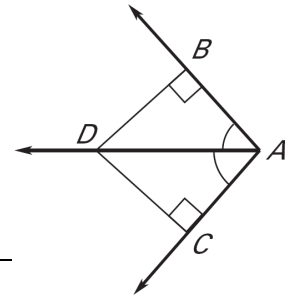
10.
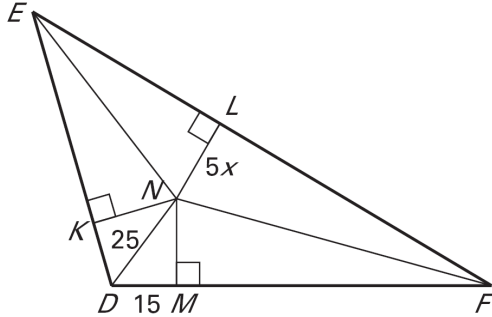
11.
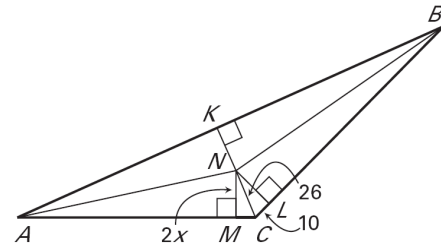
12.

GIVEN: *D* is on the bisector of ∠*BAC*.
$\overline{DB} \perp \overline{AB}$, $\overline{DC} \perp \overline{AC}$

PROVE: $\overline{DB} \cong \overline{DC}$

Statements	Reasons