

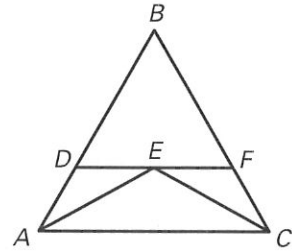
**LESSON**  
**4.8**

**Practice A**

For use with the lesson "Use Isosceles and Equilateral Triangles"

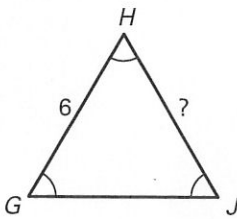
In Exercises 1–4, use the diagram. Copy and complete the statement. Tell what theorem or corollary you used.

1. If  $\overline{AE} \cong \overline{CE}$ , then  $\angle \_? \cong \angle \_?$ .
2. If  $\angle DAE \cong \angle DEA$ , then  $\_? \cong \_?$ .
3. If  $\angle BDF \cong \angle DBF \cong \angle BFD$ , then  $\_? \cong \_? \cong \_?$ .
4. If  $\overline{AB} \cong \overline{BC} \cong \overline{AC}$ , then  $\angle \_? \cong \angle \_? \cong \angle \_?$ .

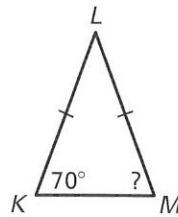


Find the unknown measure.

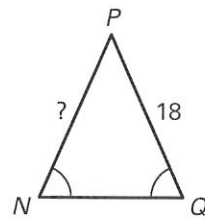
5.



6.

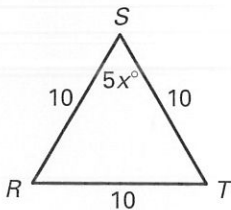


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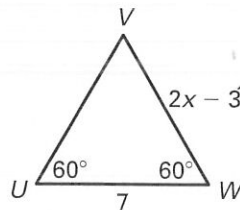


Find the value of  $x$ .

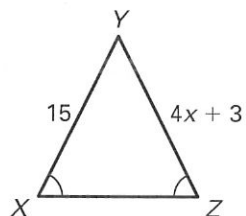
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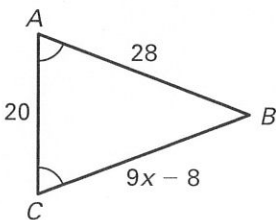
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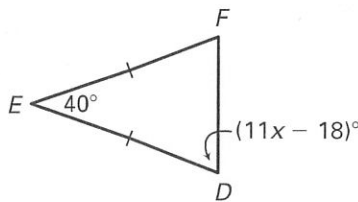
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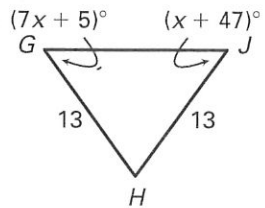
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12.

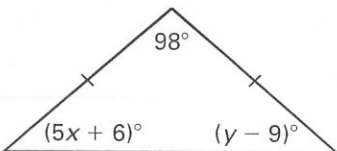


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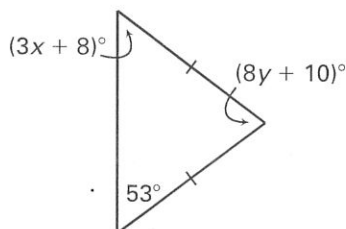


Find the values of  $x$  and  $y$ .

14.



15.



16.

