

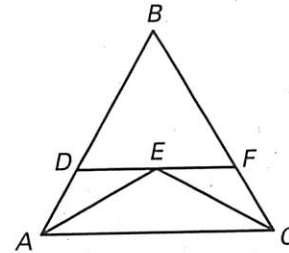
LESSON
4.7

Practice A

For use with pages 264–270

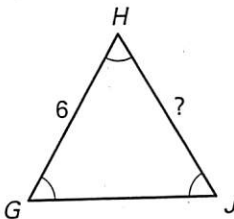
In Exercises 1–4, use the diagram. Copy and complete the statement. Tell what theorem or corollary you used.

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

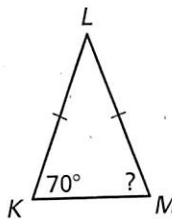


Find the unknown measure.

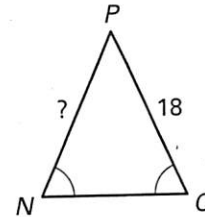
5.



6.

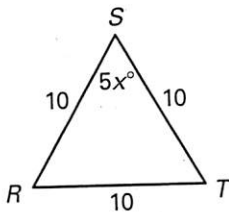


7.

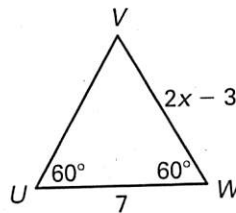


Find the value of x.

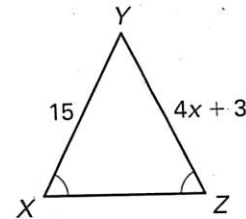
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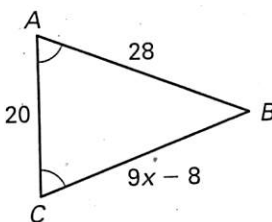
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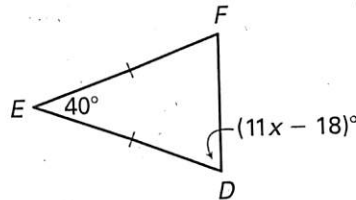
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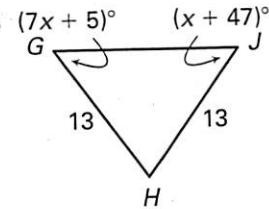
11.



12.

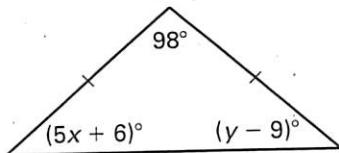


13.

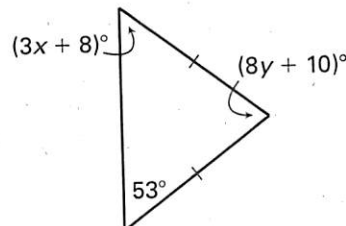


Find the values of x and y.

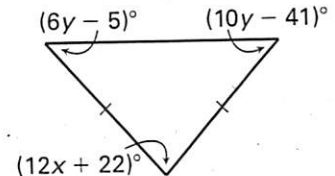
14.



15.

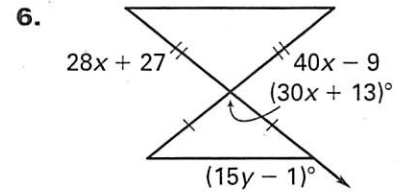
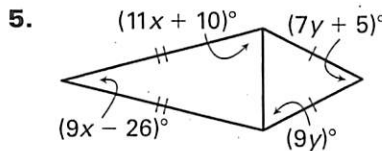
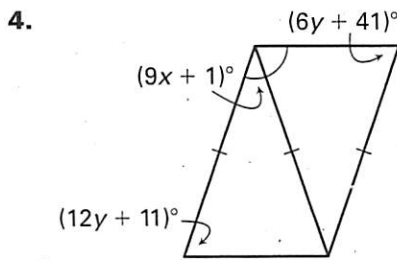
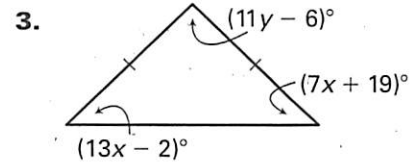
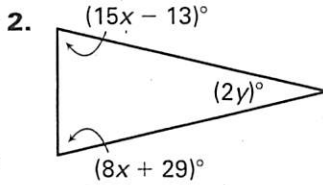
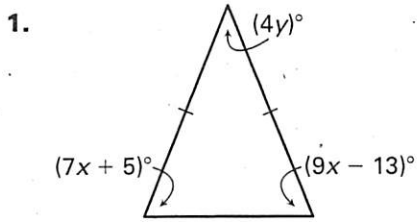


16.

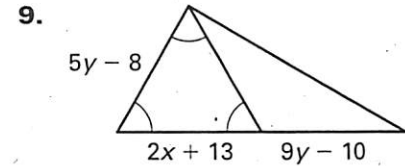
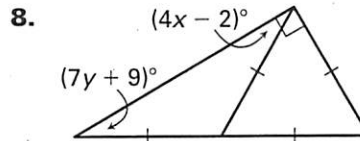
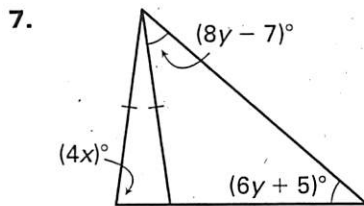


LESSON 4.7 **Practice C**
For use with pages 264–270

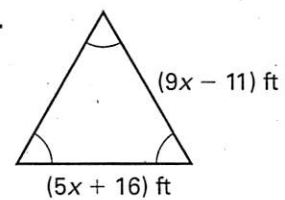
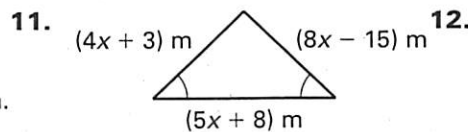
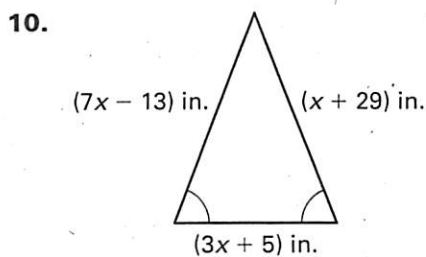
Find the values of x and y .



Find the values of x and y , if possible. If not possible, explain your reasoning.



Find the perimeter of the triangle.



Find the values of x , y , and z .

