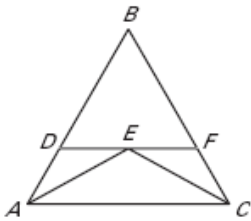


Name \_\_\_\_\_

Date \_\_\_\_\_

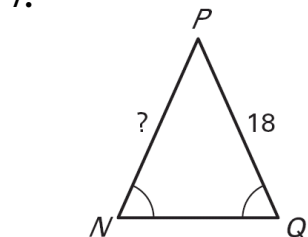
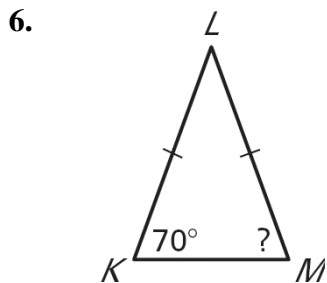
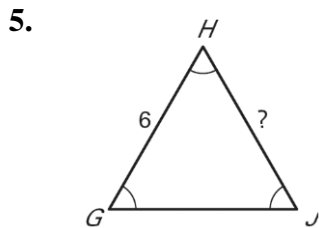
### Assignment 36 LESSON 4.8

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

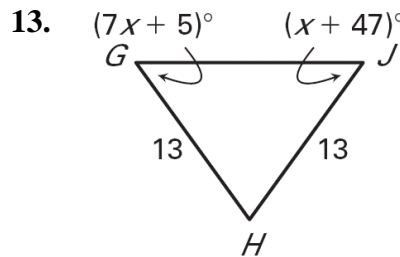
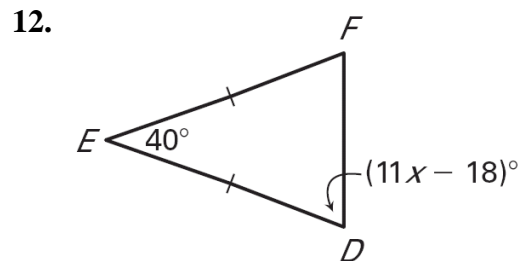
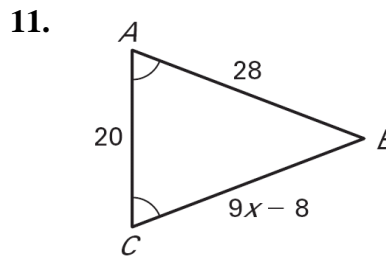
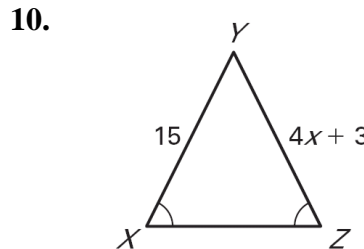
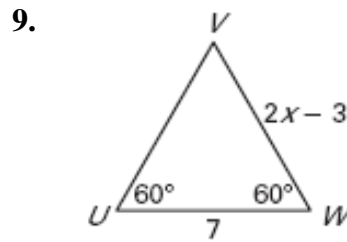
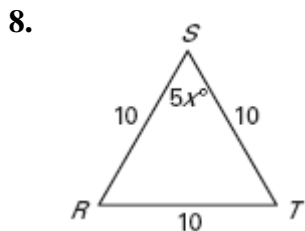


1. If  $\overline{AE} \cong \overline{CE}$ , then  $\angle \underline{\quad} \cong \angle \underline{\quad}$ .
2. If  $\angle DAE \cong \angle DEA$ , then  $\underline{\quad} \cong \underline{\quad}$ .
3. If  $\angle BDF \cong \angle DBF \cong \angle BFD$ , then  $\underline{\quad} \cong \underline{\quad}$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

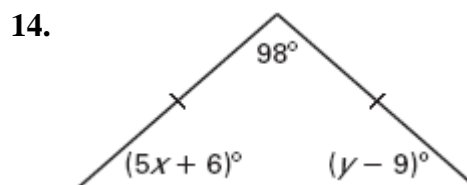
Find the unknown measure.

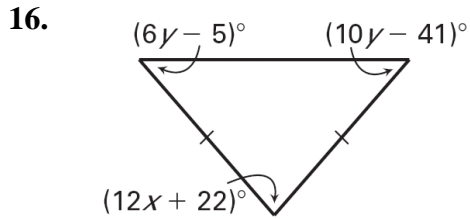
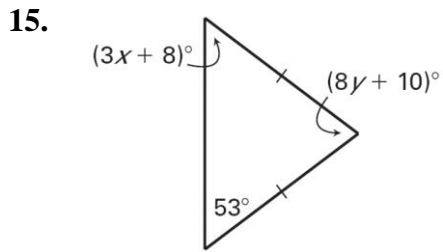


Find the value of  $x$ .

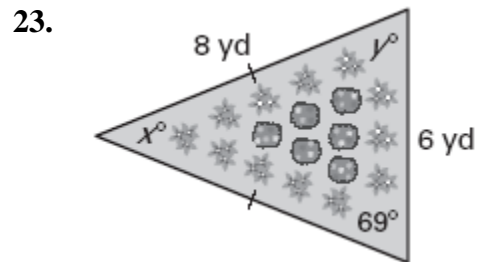
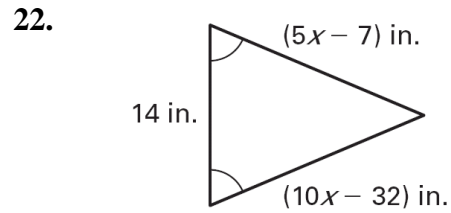
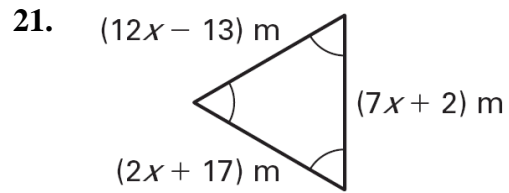
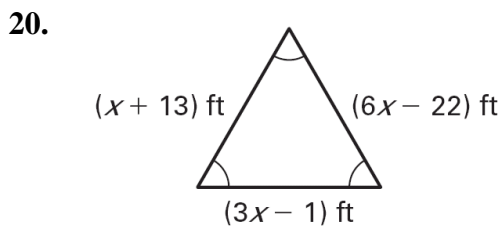
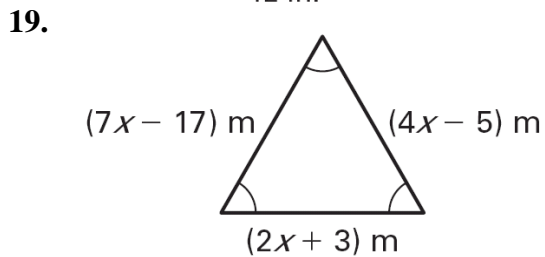
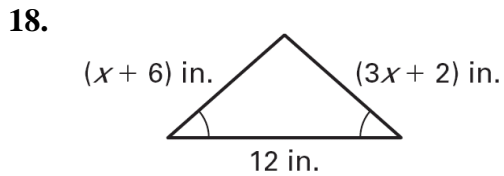
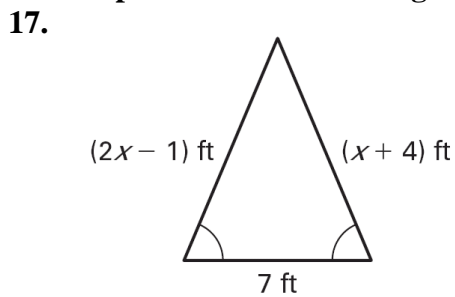


Find the values of  $x$  and  $y$ .





Find the perimeter of the triangle.



**Garden** You plant a garden in the shape of a triangle as shown in the figure. What is the perimeter of the garden? Find the values of  $x$  and  $y$ .