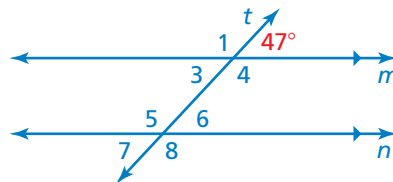


# 3 Chapter Test

**Check It Out**  
Test Practice  
BigIdeasMath.com

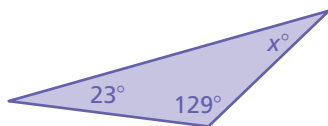
Use the figure to find the measure of the angle.  
Explain your reasoning.

1.  $\angle 1$
2.  $\angle 8$
3.  $\angle 4$
4.  $\angle 5$

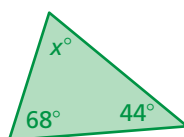


Find the measures of the interior angles.

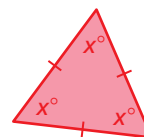
5.



6.

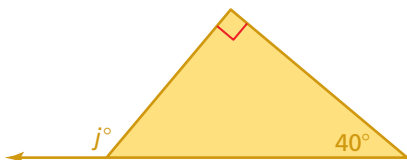


7.

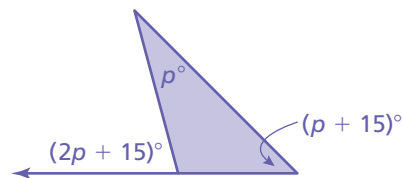


Find the measure of the exterior angle.

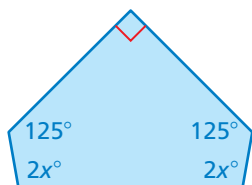
8.



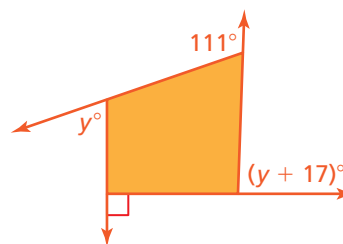
9.



10. Find the measures of the interior angles of the polygon.

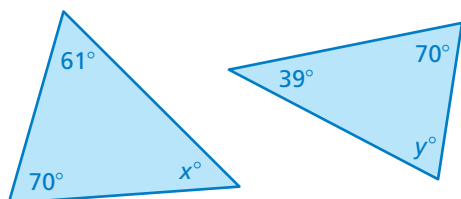


11. Find the measures of the exterior angles of the polygon.

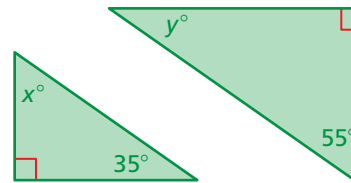


Tell whether the triangles are similar. Explain.

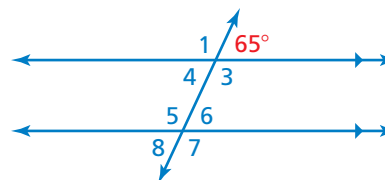
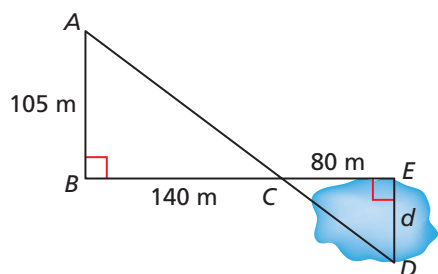
12.



13.



14. **WRITING** Describe two ways you can find the measure of  $\angle 5$ .



15. **POND** Use the given measurements to find the distance  $d$  across the pond.