

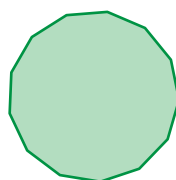
# 3.3–3.4 Quiz

Find the sum of the interior angle measures of the polygon. (Section 3.3)

1.

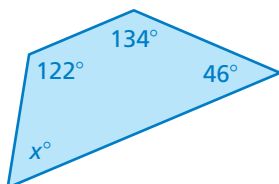


2.

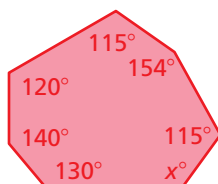


Find the measures of the interior angles of the polygon. (Section 3.3)

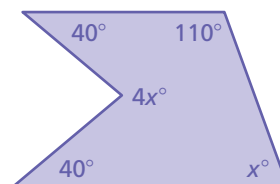
3.



4.

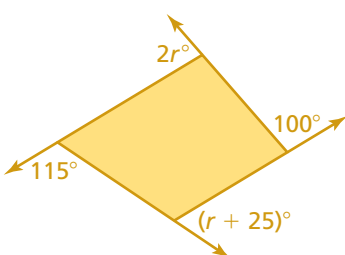


5.

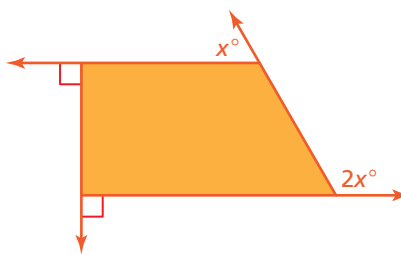


Find the measures of the exterior angles of the polygon. (Section 3.3)

6.

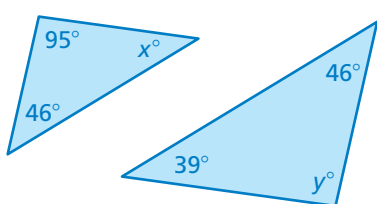


7.

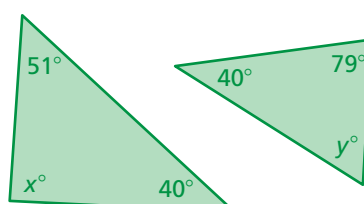


Tell whether the triangles are similar. Explain. (Section 3.4)

8.



9.



10. **REASONING** The sum of the interior angle measures of a polygon is  $4140^\circ$ . How many sides does the polygon have? (Section 3.3)
11. **SWAMP** You are trying to find the distance  $\ell$  across a patch of swamp water. (Section 3.4)
- Explain why  $\triangle VWX$  and  $\triangle YZX$  are similar.
  - What is the distance across the patch of swamp water?

