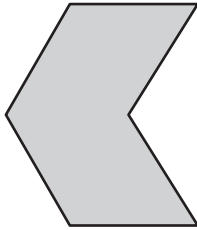


# 3.3

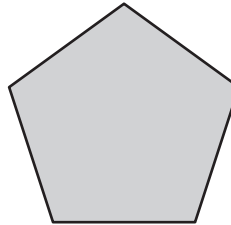
## Practice A

Use triangles to find the sum of the interior angle measures of the polygon.

1.

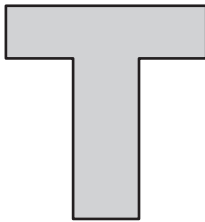


2.

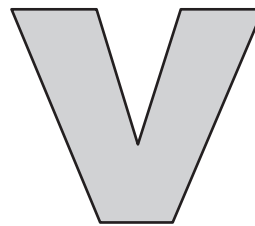


Find the sum of the interior angle measures of the polygon.

3.



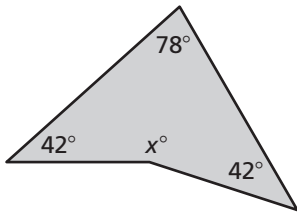
4.



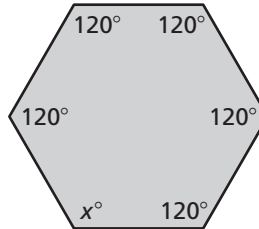
5. Can an octagon have interior angles that measure  $100^\circ$ ,  $156^\circ$ ,  $125^\circ$ ,  $90^\circ$ ,  $175^\circ$ ,  $134^\circ$ ,  $160^\circ$ , and  $140^\circ$ ? Explain.

Find the measures of the interior angles.

6.



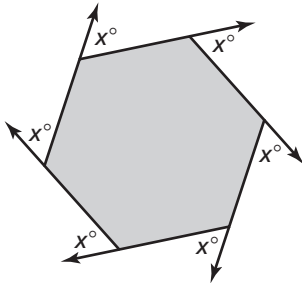
7.



8. A stop sign is in the shape of a regular octagon. What is the measure of each interior angle?

Find the measures of the exterior angles of the polygon.

9.



10.

