NAME _____ DATE _____

Practice B
For use with pages 661–668

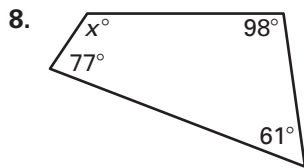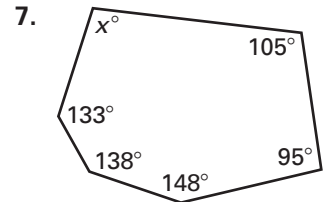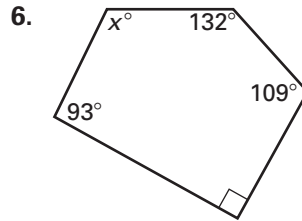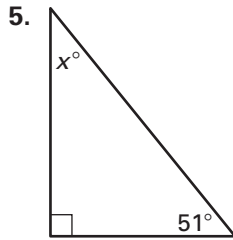**Find the sum of the measures of the interior angles of the convex polygon.**

1. pentagon **2.** nonagon **3.** 13-gon **4.** 18-gon

Find the value of x.

5.

6.

7.

8.

9.

10.
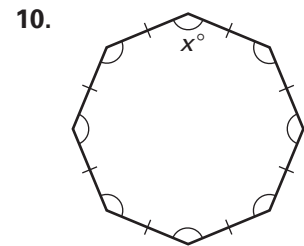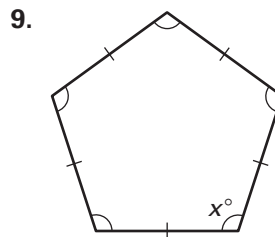
You are given the measure of each interior angle of a regular n-gon. Find the value of n.

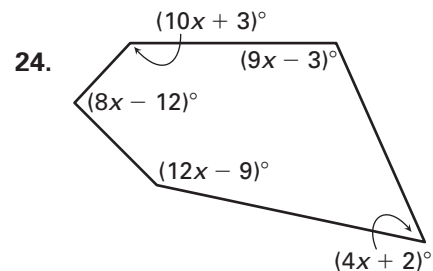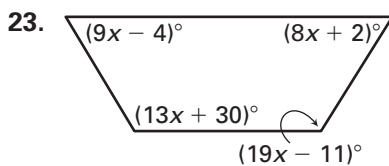**11.** $108°$ **12.** $128\frac{4}{7}°$ **13.** $150°$ **14.** $162°$

Find the sum of the measures of the exterior angles of the convex polygon.

15. pentagon **16.** nonagon **17.** 15-gon **18.** 20-gon

You are given the measure of each exterior angle of a regular n-gon. Find the value of n.

19. $72°$ **20.** $45°$ **21.** $20°$ **22.** $15°$

Find the value of x.

23.

24.

You are shown part of a convex n-gon. The pattern of the congruent angles continues around the polygon. Find n.

25.

26.