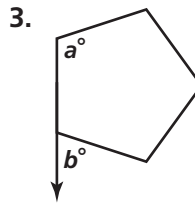
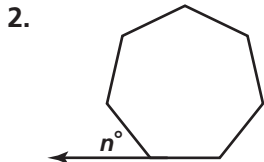
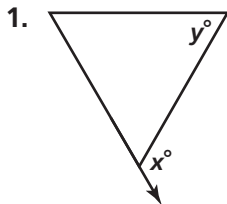


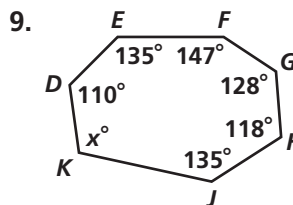
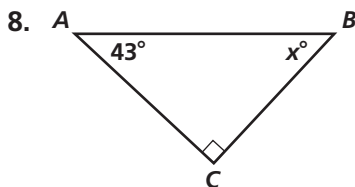
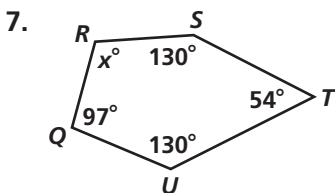
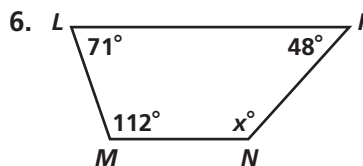
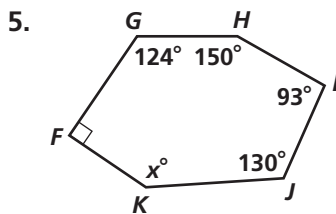
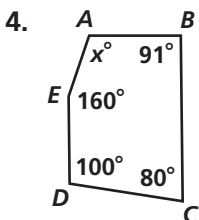
# Practice 3-5

## The Polygon Angle-Sum Theorems

Find the values of the variables for each polygon. Each is a regular polygon.



Find the missing angle measures.



For a regular 12-sided polygon, find each of the following.

- 10. the measure of an exterior angle
- 11. the measure of an interior angle

The measure of an interior angle of a regular polygon is given. Find the number of sides.

- 12. 120
- 13. 108
- 14. 135

Identify each item in Exercises 15–18 in the figure.

- 15. quadrilateral
- 16. exterior angle
- 17. pair of supplementary angles
- 18. pentagon
- 19. A regular polygon has an exterior angle of measure 18. How many sides does the polygon have?

