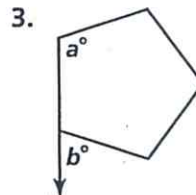
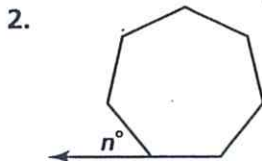
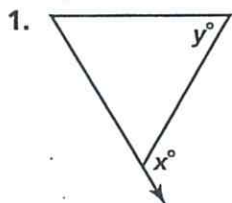


Practice 3-5

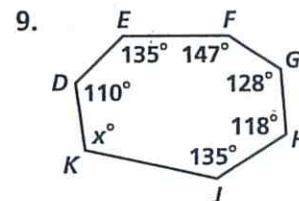
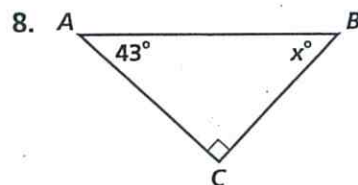
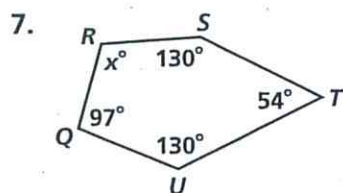
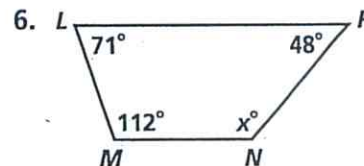
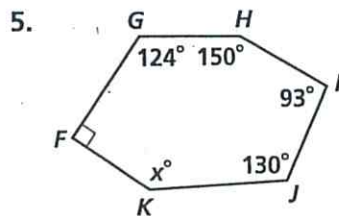
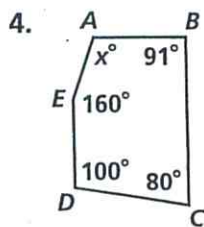
Do On Looseleaf

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.

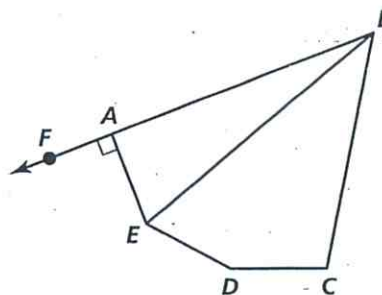
10. the measure of an exterior angle
11. the measure of an interior angle

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?



Must use algebra for credit