

7-1

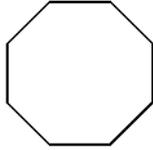
Practice

Form G

The Polygon Angle-Sum Theorems

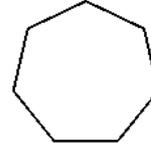
Find the sum of the angle measures of each polygon.

1.



2.

3.



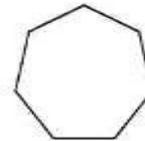
4. 12-gon

Find the measure of one angle in each regular polygon. Round to the nearest tenth if necessary.

13.



15.

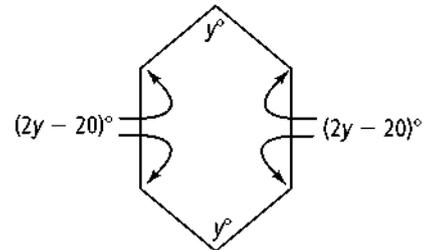


16. regular 15-gon

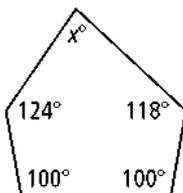
18. regular 13-gon

Algebra Find the missing angle measures.

26.



27.



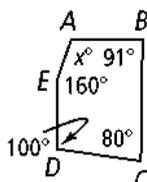
7-1 Practice (continued)

The Polygon Angle-Sum Theorems

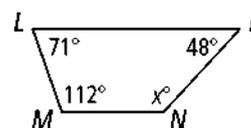
Form G

Algebra Find the missing angle measures.

30.



32.



Find the measure of an exterior angle of each regular polygon. Round to the nearest tenth if necessary.

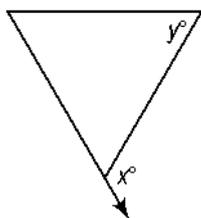
36. decagon

37. 16-gon

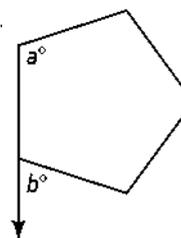
38. hexagon

Find the values of the variables for each regular polygon. Round to the nearest tenth if necessary.

45.



47.



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

49. 12

50. 6