

6-1

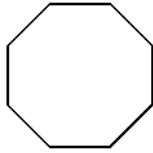
Practice

Form G

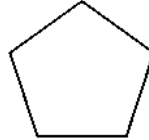
The Polygon Angle-Sum Theorems

Find the sum of the angle measures of each polygon.

1.



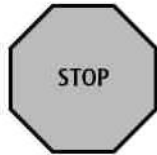
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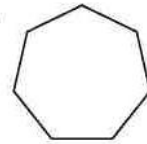
3. 12-gon

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

4.



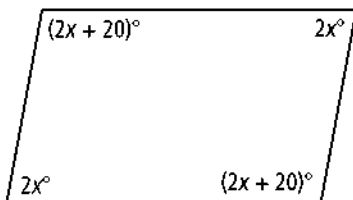
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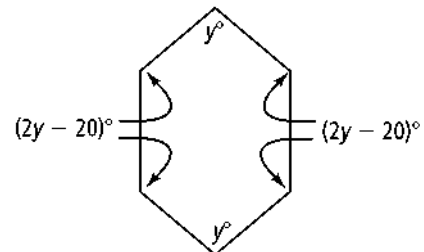
6. regular 24-gon

Algebra Find the missing angle measures.

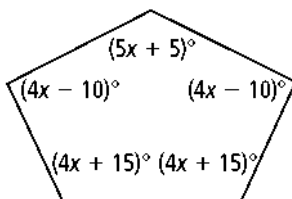
7.



8.

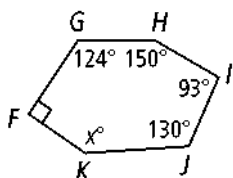


9.

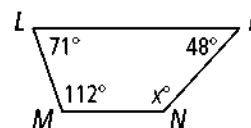


Algebra Find the missing angle measures.

10.



11.



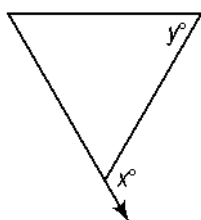
Find the measure of an exterior angle of each regular polygon. Round to the nearest tenth if necessary.

12. 16-gon

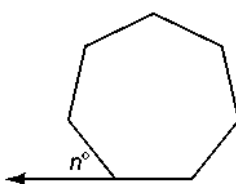
13. hexagon

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

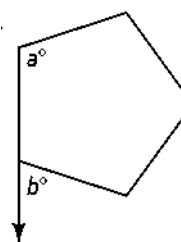
14.



15.



16.



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.

17. 12