



6-1 Mathematical Literacy and Vocabulary

The Polygon Angle-Sum Theorems

Use a word from the list below to complete each sentence.

concave polygon

convex polygon

equiangular polygon

equilateral polygon

exterior angle

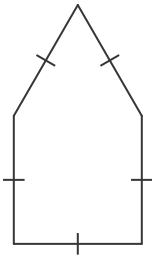
interior angle

regular polygon

1. A polygon that has an interior angle greater than 180° is a _____.
2. A polygon that has no interior angles greater than 180° is a _____.
3. A hexagon in which all angles measure 120° is an example of an _____.
4. An octagon in which all angles measure 135° and all sides are 6 cm long is an example of a _____.
5. An angle inside a polygon is an _____.

Circle the term that applies to the diagram.

6.

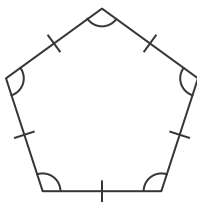


equiangular

equilateral

regular

7.

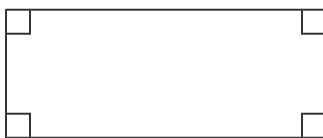


equiangular

equilateral

regular

8.



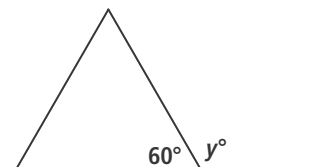
equiangular

equilateral

regular

9. Which type of angle is the angle labeled y° ?

- (A) acute (B) exterior (C) interior (D) straight



10. Which figure is equiangular and equilateral?

- (A) circle (B) rectangle (C) rhombus (D) square