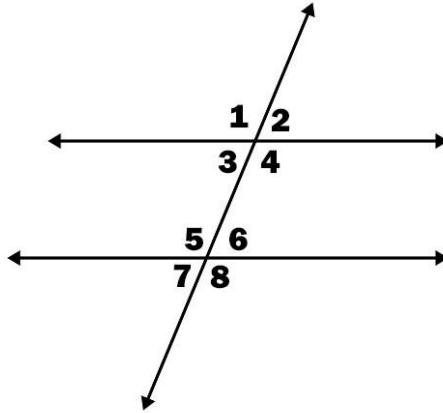


## Angles: Classification and Properties

### Practice Questions

**Direction:** Select the letter of the correct answer for each question below.

For items 1 - 2 , refer to the figure below:



1) If  $m\angle 1 = 110^\circ$ , determine  $m\angle 5$ .

- (a)  $70^\circ$
- (b)  $110^\circ$
- (c)  $50^\circ$
- (d)  $130^\circ$

2) If  $m\angle 1 = 110^\circ$ , determine  $m\angle 6$

- (a)  $70^\circ$
- (b)  $110^\circ$
- (c)  $50^\circ$
- (d)  $130^\circ$



## Angles: Classification and Properties

### Practice Questions

3) Which of the following statement(s) is/are true?

- I. all right angles are congruent
- II. if two angles are vertical angles, then the angles are supplementary
- III. If two angles are complementary, then the sum of their measurements is equal to the measurement of a right angle
- IV. The measurement of an acute angle can be any number between  $0^\circ$  and  $45^\circ$

- (a) I and III only
- (b) I, II, and III only
- (c) I, III, and IV only
- (d) III and IV only

4) Determine the complement of the supplement of 50 degrees?

- (a) 60 degrees
- (b) 120 degrees
- (c) 150 degrees
- (d) 180 degrees

5) What is the sum of the interior angles of a polygon with 50 sides?

- (a) 7660 degrees
- (b) 7820 degrees
- (c) 8640 degrees
- (d) 8920 degrees



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*To God be the glory!*