Introduction to Angles

A. Choose the Correct Answer:

1. What is the measure of a right	nt angle?
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a) 45°

b) 90°

c) 180°

d) 60°

2. An angle less than 90° is called:

a) Obtuse angle

b) Right angle

c) Acute angle

d) Reflex angle

3. If an angle measures exactly 180°, what is it called?

a) Right angle

b) Acute angle

c) Straight angle

d) Complete angle

B. Write the Missing Terms to Complete the Sentences:

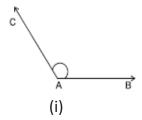
- 1. An angle is formed when two _____ meet at a common point.
- 2. A complete angle measures _____ degrees.
- 3. An obtuse angle is greater than ______ degrees but less than _____ degrees.
- 4. A reflex angle is an angle that is greater than _____ degrees but less than _____ degrees.
- 5. The point where two rays meet to form an angle is called the ______.

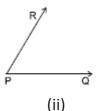
C. Figure out the answers to these questions:

- 1. Define an angle and name its parts.
- 2. Draw an example of an acute angle and label its parts.

3. Identify the type of angles from the following measurements:

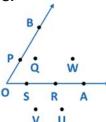
- i. 75°
- ii. 110°
- iii. 180°
- iv. 270°
- 4. Name the vertex and the arms of the each of the following angles.







- 5. A clock shows the time as 3:00. What type of angle is formed between the hour and minute hands?6. If the measure of one angle is 60°, what type of angle is it? Explain why.
- 7. A straight angle is divided into two equal parts. What will be the measure of each part? What type of angles are these?
- 8. A door is kept open such that it forms an angle of 120° with the wall. What type of angle is it?
- 9. From figure (g), list the points which are:
 - in the interior of ∠AOB
 - in the exterior of ∠AOB
 - lie on ∠AOB



D. Mark each sentence with a True (✓) or False (X):

- A right angle measures 120°.
 A straight angle is also called a 360° angle.
 An angle of 89° is an acute angle.
 A reflex angle is always greater than 180°.
 The sum of two right angles is 180°.
- E. Look at the given figure. How many triangles are there? Name each of them also, which triangles have:
 - 1. A as a vertex.
 - 2. B as a vertex. ______
 - 3. C as a vertex. _____
 - 4. D as a vertex.
 - 5. E as a vertex. _____
 - 6. F as a vertex.

