Classification of Angles

A. Choose the correct answer:

1. An angle that measures less than 90° is called

    a) Right angle   b) Straight angle

    c) Acute angle   d) Obtuse angle

2. Which of the following angles is an obtuse angle?

    a) 45°   b) 90°

    c) 120°   d) 180°

3. A straight angle measures

    a) 90°   b) 120°

    c) 180°   d) 360°

4. Which type of angle is greater than 180° but less than 360°?

    a) Acute angle   b) Reflex angle

    c) Right angle   d) Straight angle

5. An angle that measures exactly 90° is called
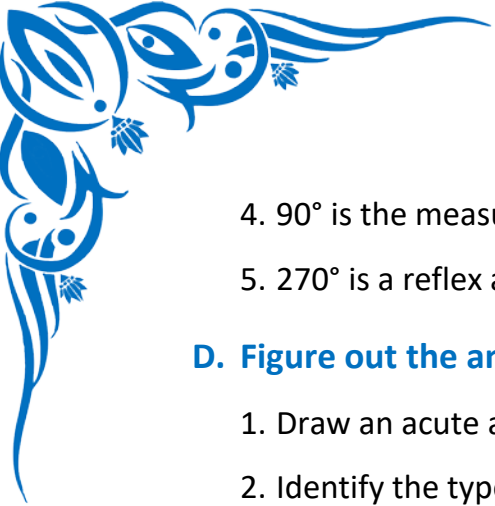
    a) Acute angle   b) Reflex angle

    c) Right angle   d) Zero angle

B. Write the Missing Terms to Complete the Sentences:

1. An angle more than 90° and less than 180° is called an _____ angle

2. An angle that measures 0° is called a _____ angle

3. A _____ angle is greater than a right angle but smaller than a straight angle

4. A full angle measures _____ degrees

5. An angle equal to 90° is called a _____ angle

C. Mark each sentence with a True (✔) or False (✗):

1. An angle of 30° is an acute angle   _____

2. A straight angle is smaller than a right angle   _____

3. A reflex angle is more than 180°   _____

4. 90° is the measure of a right angle   _____

5. 270° is a reflex angle   _____

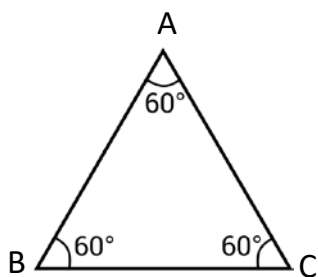## D. Figure out the answers to these questions:

1. Draw an acute angle, an obtuse angle, and a right angle.

2. Identify the type of angle formed by the hands of a clock at 10 o'clock.

3. Measure an angle of 160° using a protractor and classify it.

4. Compare the angles 30°, 90°, and 135° and write their types.

5. Match these angles with their types: 45°, 90°, 150°, 0°, 270°.
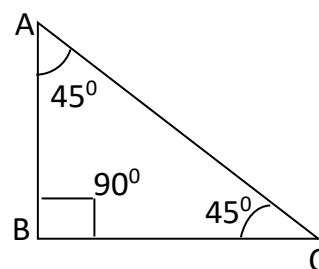
E. Challenge yourself with these questions:

1. Draw a triangle and classify each of its angles.

2. Write examples of real-life objects that show acute, right, and obtuse angles.

3. Observe the corners of your book and write the type of angle formed.

4. Compare 45° and 145° angles and explain the difference in their classification.

5. Draw one example each of acute, obtuse, straight, and reflex angles.

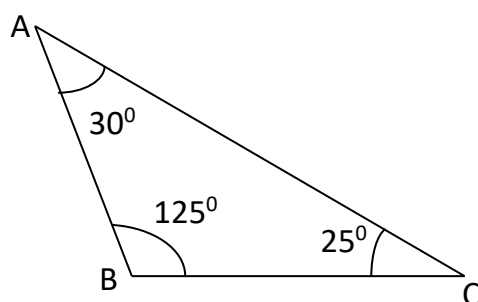## F. Classify the following triangles as acute-angle, right-angle, obtuse-angle triangle.

a.

_____

b.

_____

c.

_____

d.

_____