Chapter- 15

Geometry

WORKSHEET

A. FILL IN THE BLANKS :

1. An angle measuring 180^0 is called a _Straight angle_

2. The common starting point of an angle is called the _Vertex_ of the angle.

3. A _right an_ angle measures 90^0.

4. To measure an angle in degrees, we use a _protractor_

5. A triangle whose all sides are equal is called a _Equilateral_ triangle.

B. CHOOSE THE CORRECT ANSWER :

6. A line segment has _two end points_

   i) One end point   ii) no end points   iii) two end points   iv) none of these

7. Which of the following represents a line? _Side of a square_

   i) Side of a square   ii) edge of cube   iii) axis of earth

8. A _Point_ has no length, breadth or thickness.

   i) point   ii) line   iii) line segment   iv) ray

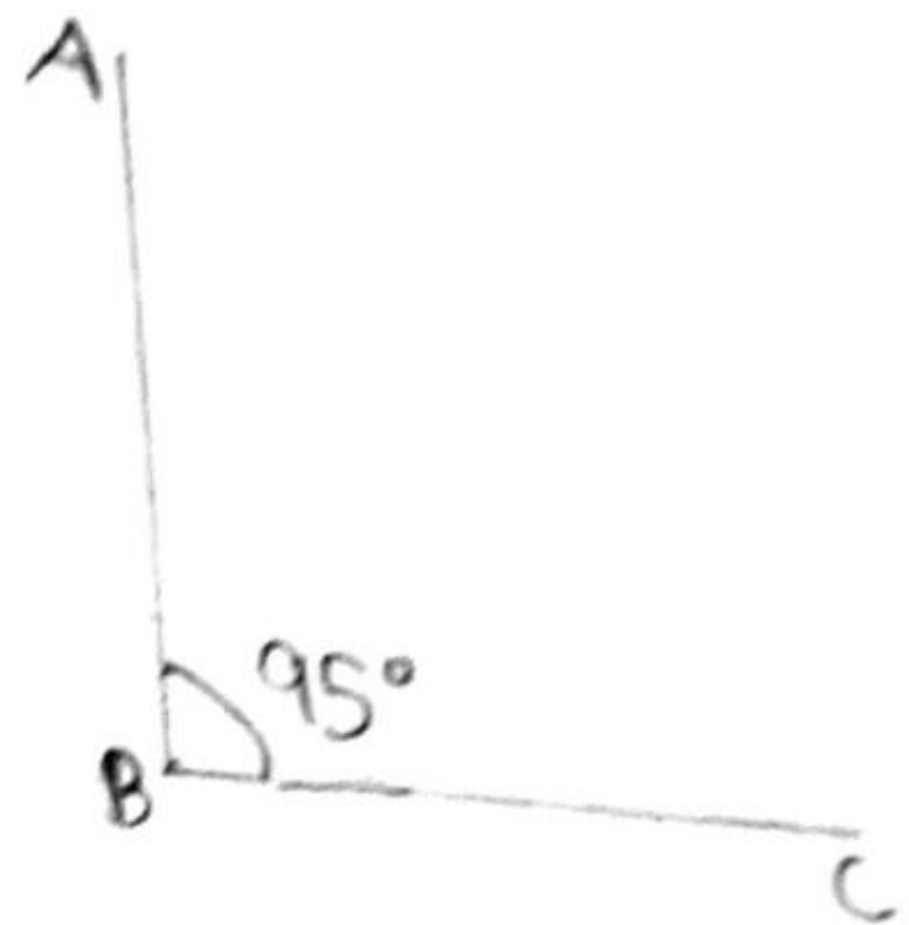9. Identify which of the following is symmetrical?
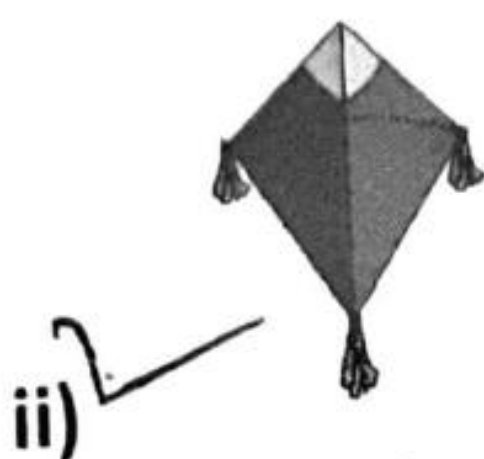
   i)   ii)   iii)

C. DO AS DIRECTED:

10. Draw the following angles using a protractor :
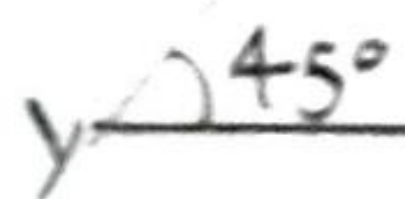
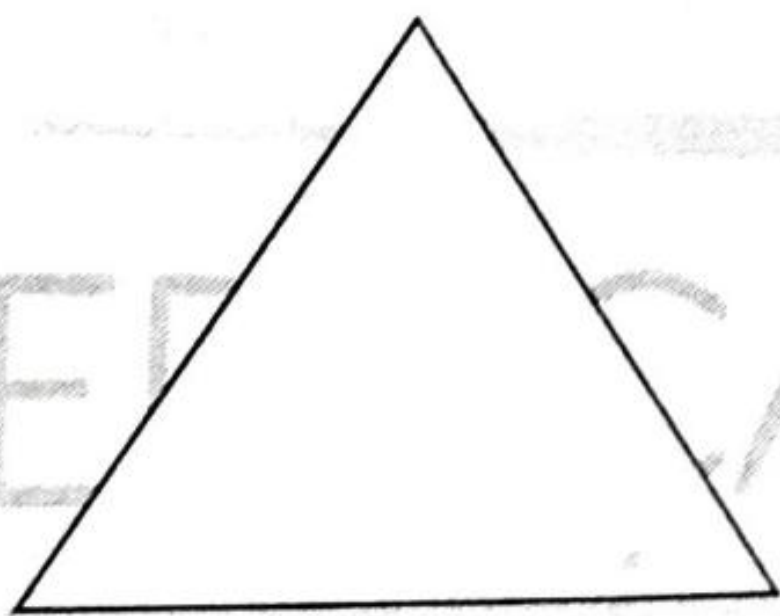a) 95^0 b) 45^0

a) $\angle ABC = 95°$

A

B $95°$ C

Ans.

a)
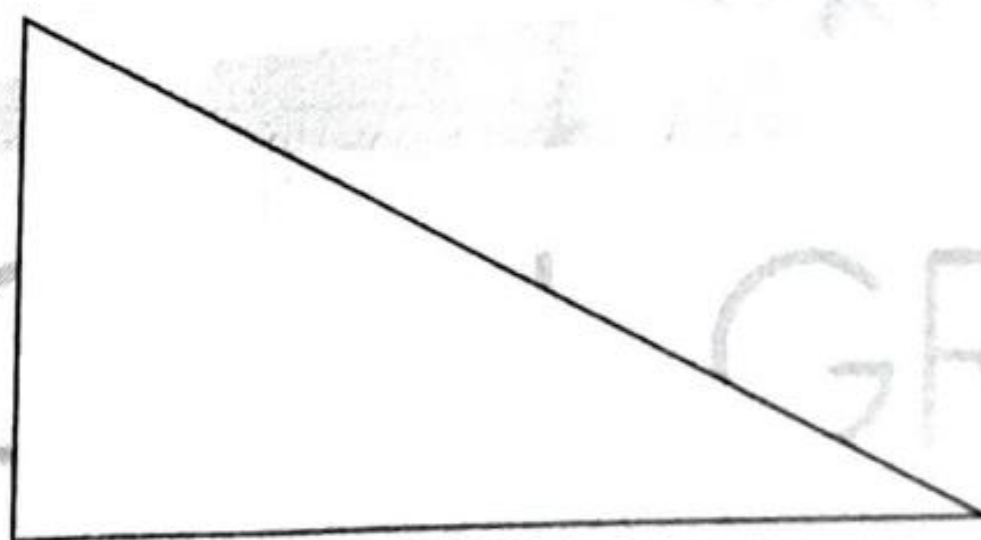
$\rightarrow 95°$

b)

) $45°$ b) $\angle xyz = 45°$

X

y $45°$

11. What type of triangles are these?

Equilateral   Scatene right ~~angle~~ triangle
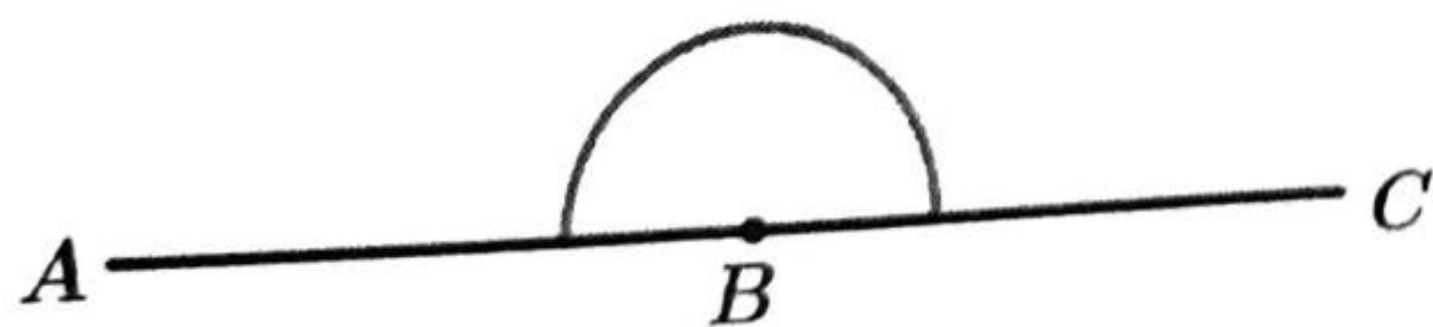
12. Find the area of the triangle.

A

15 cm

16 cm

B   18 cm   C
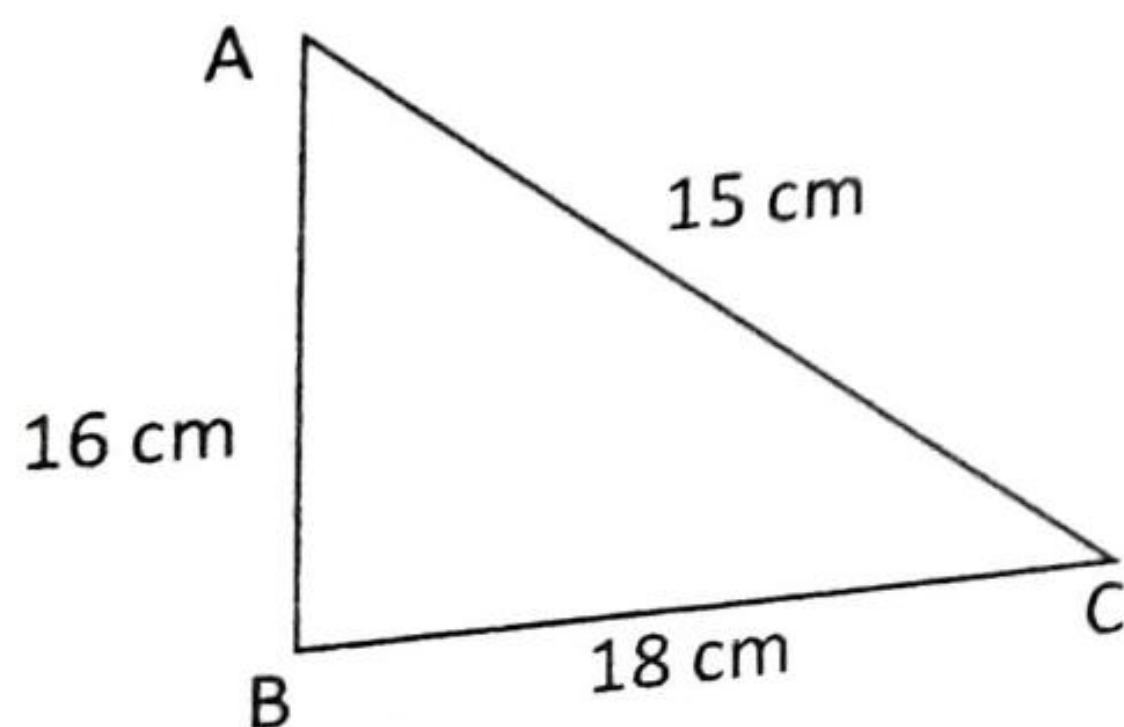
Ans. $\dfrac{1}{2} \times b \times h = \dfrac{1}{2} \times \overset{9}{\cancel{18}} \times 16 = 144 \, cm^2$

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13. Name the sides, angles, and vertices of the given triangle.
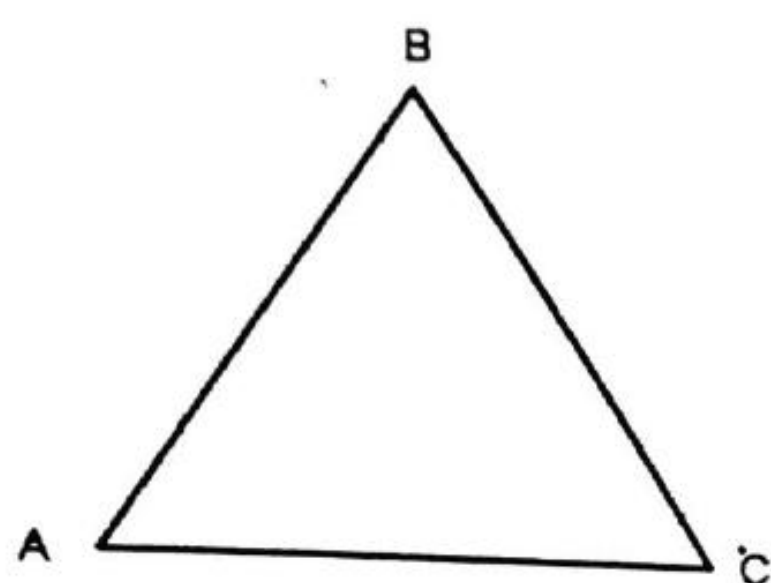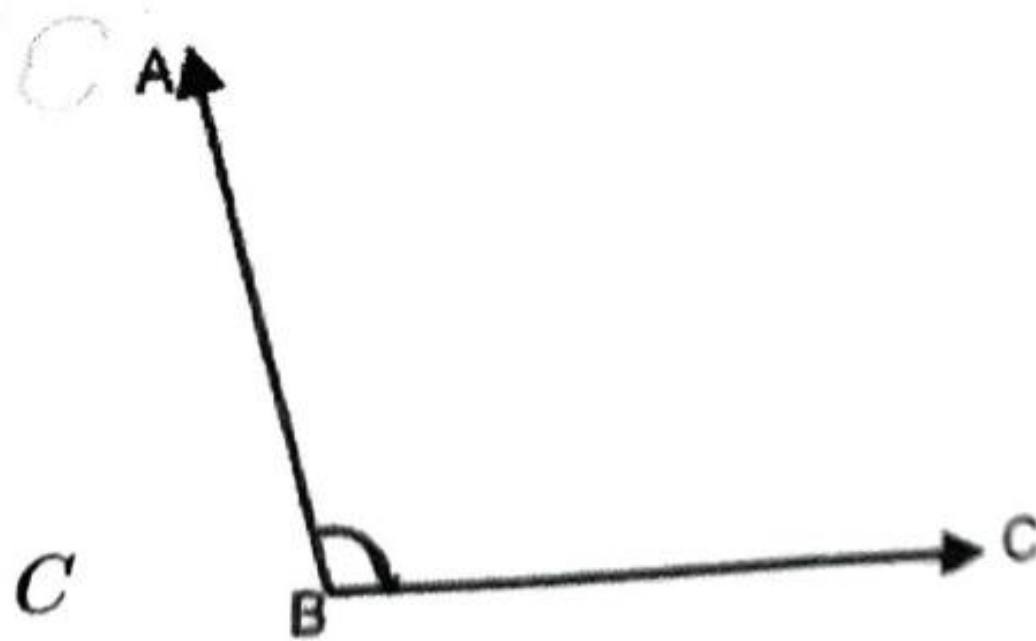

Sides = __3__ , Angles= $\angle ACB$, Vertices= __A, B, C__

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14. Classify each angle as acute, obtuse, right or straight.

straight

obtuse