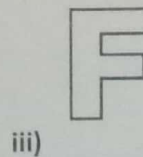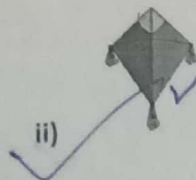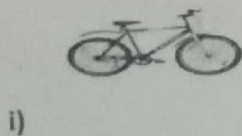Chapter- 15

Geometry

WORKSHEET

A. FILL IN THE BLANKS :

1. An angle measuring $180°$ is called a __Straight angle__.

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

3. A __right__ angle measures $90°$.

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 __line__ has no length, breadth or thickness.

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

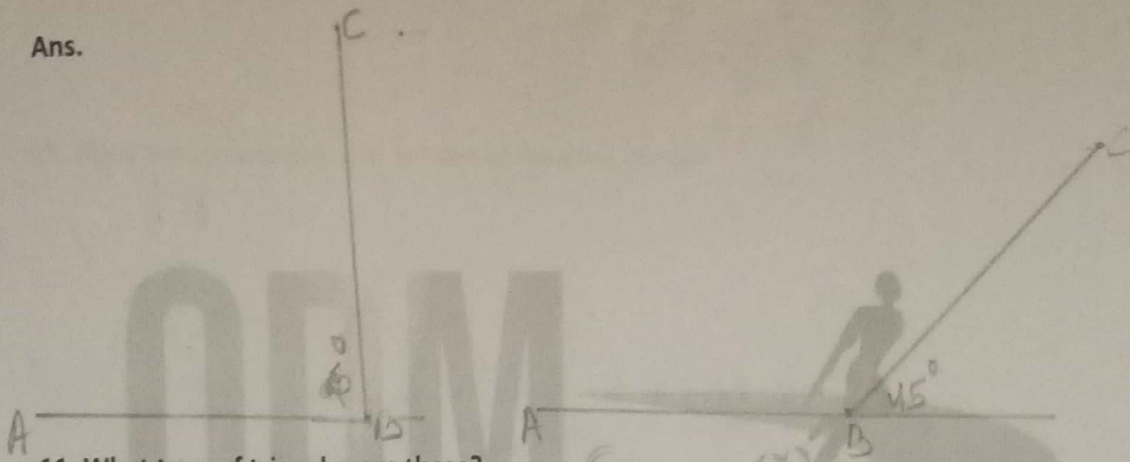9. Identify which of the following is symmetrical?

    i)   ii)   iii)
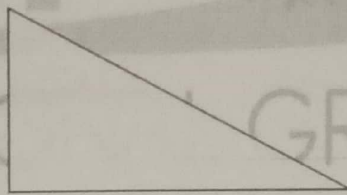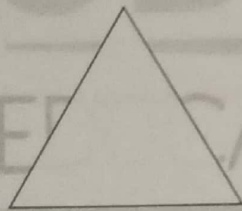
C. DO AS DIRECTED:

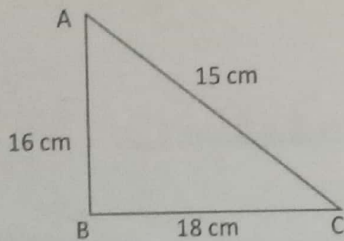10. Draw the following angles using a protractor :

a) $95°$ b) $45°$

Ans.

11. What type of triangles are these?

Equilateral triangle   scalene triangle

12. Find the area of the triangle.

A
15 cm
16 cm
B   18 cm   C

AB + BC + AC
16cm + 18cm + 15cm = 49cm

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Base of triangle
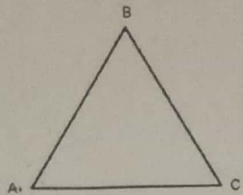
Ans. $(BC) = 18cm$

Height of triangle$(AB) = 16c.m$

Area of triangle $ABG = \frac{1}{2} \times b \times h$

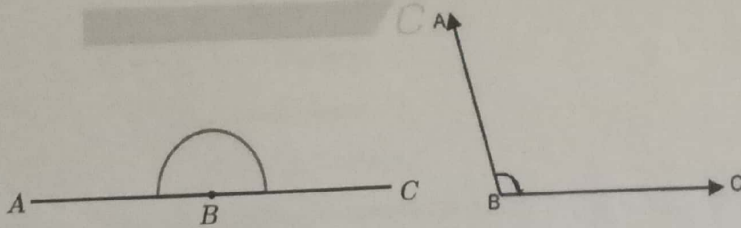$= \frac{1}{2} \times \overset{9}{\cancel{18}} \times 16 = 144cm^2$

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

Sides = $\overline{AB}\ \overline{BC}\ \overline{CA}$, Angles= $\angle ABC\ \angle BGA\ \angle CAB$, Vertices= A, B and C

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

Straight angle   Obtuse angle

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ODM Educational Group

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