	Selvam College Of Technology, Namakkal (Autonomous) IT Support & Development Training Programme (ISDTP)		
Worksheet -9 (Area)			
Bundle & Subject Name	Advanced Bundle V2 (2025) – Aptitude (Level-4)	**Semester**	VI

Answer Key

1. The difference between the length and the breadth of a rectangle is 33 m. If its perimeter is 134 m, then its area is _____.

   A) 700 sq.m B) 800 sq.m

   C) 850 sq.m D) 900 sq.m

   Ans: C) 850 sq.m

2. The length of a rectangular plot is 40 meters more than its breadth. If the cost of fencing the plot at Rs. 53 per meter is Rs. 10,600, then the length of the plot in meters is _____.

   A) 50 m B) 70 m

   C) 150 m D) 200 m

   Ans: B) 70 m

3. The perimeter of a right triangle is 60cm and its hypotenuse is 26cm. Find the area of the triangle.

   A) 160 sq.cm B) 180 sq.cm

   C) 120 sq.cm D) 240 sq.cm

   Ans: C) 120 sq.cm

4. If the hypotenuse of a right isosceles triangle is 28 √2 cm. Find the area of the triangle.

   A) 369 sq.cm B) 784 sq.cm

   C) 392 sq.cm D) 468 sq.cm

   Ans: C) 392 sq.cm

5. If the hypotenuse of a right isosceles triangle is 8 cm. Find the area of the triangle.

   A) 16 sq.cm B) 8 sq.cm

   C) √32 sq.cm D) 2√32 sq.cm

   Ans: A) 16 sq.cm

6. If the diagonals of two squares are in the ratio of 3:5, then their areas will be in the ratio of _____.

   A) 9:25 B) 3:5

   C) 2:5 D) 15:25

   Ans: A) 9:25

7. Find the perimeter of a circle of radius 7 cm.

   A) 28 cm B) 66 cm

   C) 44 cm D) 56 cm

   Ans: C) 44 cm

8. Find the area of a circle of radius 14 cm.

   A) 128 sq.cm B) 616 sq.cm

   C) 154 sq.cm D) 560 sq.cm

   Ans: B) 616 sq.cm

9. Find the perimeter of a semicircle of radius 28 cm.

   A) 128 cm B) 66 cm

   C) 144 cm D) 56 cm

   Ans: C) 144 cm

10. Find the area of a rhombus one side of which measures 10 cm and one diagonal 12 cm

    A) 12 sq.cm B) 24 sq.cm

    C) 96 sq.cm D) 48 sq.cm

11. **Ans: C) 96 sq.cm**