

# Mathematics – Sample Answer Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Roll No: \_\_\_\_\_ Date: \_\_\_\_\_

Q1. Simplify:  $3x + 4x - 5 + 7$

Ans:  $7x + 2$

Q2. Solve for x:  $2x + 3 = 11$

Ans:  $x = 5$

Q3. Find the area of a circle with radius 7 cm.

Ans:  $\text{Area} = \pi r^2 = 3.14 \times 6 \times 6 = 113.04 \text{ cm}^2$

Q4. Define Pythagoras theorem.

Ans: *In a right-angled triangle, the square of the hypotenuse equals the sum of the squares of the other two sides.*

Q5. Evaluate:  $(5^2 + 3^2) \div 4$

Ans:  $(25 + 9) \div 4 = 34 \div 4 = 9$

Q6. If a train travels 120 km in 2 hours, find its speed.

Ans:  $\text{Speed} = \text{Distance} \div \text{Time} = 120 \div 2 = 60 \text{ km/hr}$