

## 10th Standard Mathematics - Answer Sheet (All Correct)

1.  $(x + 3)(x - 5) = 0$  gives  $x = -3, x = 5$ .
2. The roots of  $x^2 - 5x + 6 = 0$  are  $x = 2$  and  $x = 3$ .
3.  $(5x^2 - 3x + 2) - (2x^2 + 4x - 1)$  simplifies to  $3x^2 - 7x + 3$ .
4. The dimensions of the rectangle are 12 cm by 6 cm.
5. Solving  $2x - 3 = 7$  gives  $x = 5$ .
6. The train's average speed is 60 km/hr.
7. The area of the circle with radius 7 cm is  $153.86 \text{ cm}^2$ .
8.  $\frac{3}{5} + \frac{2}{7}$  simplifies to  $\frac{29}{35}$ .
9. Solving  $3x + 2 = 5x - 8$  gives  $x = 5$ .
10. The missing angle in the triangle is 70 degrees.