Section A (10 Marks)

1. **Find the distance between the points A(2, 3) and B(5, 7).**
2. **Find the coordinates of the midpoint of the line segment joining the points A(3, 5) and B(7, 9).**
3. **Find the coordinates of the point that divides the line segment joining the points A(1, 2) and B(4, 5) in the ratio 2:1.**
4. **Find the area of the triangle formed by the points A(2, 3), B(4, 5), and C(6, 7).**
5. **Find the slope of the line passing through the points A(2, 3) and B(5, 7).**

Section B (10 Marks)

6. **Find the equation of the line passing through the points A(2, 3) and B(5, 7).**
7. **Find the equation of the line with slope 3 and y-intercept 2.**
8. **Find the equation of the line perpendicular to the line $2x + 3y = 5$ and pass through the point (1, 2).**
9. **Find the equation of the line passing through the point (2, 3) and making an angle of 45° with the positive x-axis.**
10. **Find the equation of the line passing through the point (3, 4) and parallel to the line $2x - 3y = 5$.**