

Class 10 Mathematics - Coordinate Geometry

Name: _____

Date: _____

Medium Worksheet 2

Questions

1. Find the coordinates of the point dividing the line segment joining (1, 2) and (7, 8) internally in the ratio 1:2.
2. Find the coordinates of the point dividing the line segment joining (2, 3) and (8, 9) internally in the ratio 2:1.
3. Find the midpoint of (-6, -4) and (10, 8).
4. Find the distance between (-3, -4) and (3, 4).
5. Find the coordinates of the point dividing the line segment joining (0, 0) and (12, 6) in the ratio 2:1.
6. State the Section Formula.

Answer Key

1. (3, 4)
2. (6, 7)
3. (2, 2)
4. 10 units
5. (8, 4)
6. Coordinates = $\left(\frac{mx_2 + nx_1}{m+n}, \frac{my_2 + ny_1}{m+n}\right)$