

Class 10 Mathematics - Coordinate Geometry

Name: _____

Date: _____

Easy Worksheet 4

Questions

1. Find the coordinates of the point dividing the line segment joining (2, 2) and (8, 8) in the ratio 1:1.
2. Find the midpoint of (4, -2) and (10, 6).
3. Find the distance between (2, 1) and (5, 5).
4. Find the distance of (8, 15) from the origin.
5. State the section formula.
6. What is meant by internal division of a line segment?

Answer Key

1. (5, 5)
2. (7, 2)
3. 5 units
4. 17 units
5. Coordinates = $\left(\frac{mx_2 + nx_1}{m+n}, \frac{my_2 + ny_1}{m+n}\right)$
6. Division of a line segment by a point lying between its endpoints.