

Class 10 Mathematics - Coordinate Geometry

Name: _____

Date: _____

Advanced Worksheet 2

Questions

1. Find the equation satisfied by a point that is equidistant from (7, 1) and (3, 5).
2. Find the point on the y-axis that is equidistant from (6, 5) and (-4, 3).
3. Find the coordinates of the point dividing the line segment joining (4, -3) and (8, 5) in the ratio 3 : 1.
4. Find the distance between (-8, -2) and (4, 7).
5. Find the midpoint of (-12, 8) and (6, -4).
6. Determine the points (-2, -1), (1, 2) and (4, 5) are collinear.

Answer Key

1. $x - y = 2$
2. (0, 9)
3. (7, 3)
4. 15 units
5. (-3, 2)
6. Yes, the points are collinear.