

Class 10 Mathematics - Coordinate Geometry

Name: _____

Date: _____

Medium Worksheet 4

Questions

1. Find the point on the x-axis equidistant from $(2, -5)$ and $(-2, 9)$.
2. Find the midpoint of $(10, -2)$ and $(4, 8)$.
3. Find the distance between $(0, 6)$ and $(8, 0)$.
4. Find the coordinates of the point dividing $(-1, 7)$ and $(4, -3)$ in the ratio 2:3.
5. Determine whether the points $(-1, -1)$, $(0, 0)$, and $(1, 1)$ are collinear.
6. Find the distance of the point $(12, 5)$ from the origin.

Answer Key

1. $(0, 2)$
2. $(7, 3)$
3. 10 units
4. $(1, 3)$
5. Yes, the points are collinear.
6. 13 units