

Class 10 Mathematics - Coordinate Geometry

Name: _____

Date: _____

Medium Worksheet 1

Questions

1. Find the midpoint of the line segment joining $(4, -3)$ and $(8, 5)$.
2. Find the midpoint of the line segment joining $(-2, 7)$ and $(6, -1)$.
3. Find the distance between $(-5, 7)$ and $(-1, 3)$.
4. Find the distance between $(2, -4)$ and $(8, 4)$.
5. Find the distance of the point $(8, 15)$ from the origin.
6. Determine whether the points $(1, 2)$, $(3, 4)$, and $(5, 6)$ are collinear.

Answer Key

1. $(6, 1)$
2. $(2, 3)$
3. $4\sqrt{2}$ units
4. 10 units
5. 17 units
6. Yes, the points are collinear.