

Finding the Mid Point

Formula



Midpoint Formula

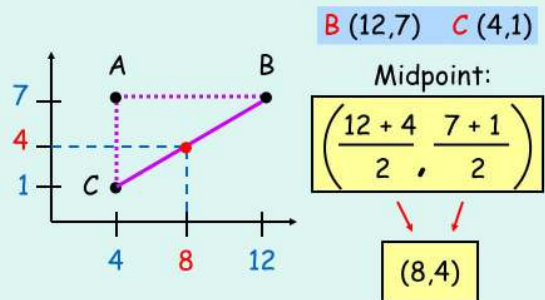
The mid point formula helps us to find mid point. All you need to do is add the coordinates and divide by them two. It's like finding the average of two points

$$M = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

Example

How does it work?

Find the coordinate of the Midpoint of \overline{BC} .



Assignment

- 1 Find the midpoint of a line joining points $(-1, 2)$ and $(2, 8)$.
- 2 Find the midpoint of a line joining points $(4, -9)$ and $(5, 7)$.
- 3 Find the midpoint of a line joining points $(-7, 5)$ and $(4, 7)$.
- 4 Find the midpoint of a line joining points $(-1, 3)$ and $(3, 9)$.
- 5 Find the midpoint of a line joining points $(-9, -1)$ and $(6, 6)$.