



## Line Segment (Points) - Find Midpoint (Formula)

1

Point A: (4, 7)

Point B: (8, 3)

How would you find the mid-point of segment AB?

$$^A \left( \frac{4+8}{2}, \frac{7+3}{2} \right)$$

$$^B \left( \frac{7+3}{2}, \frac{4+8}{2} \right)$$

2

Point A: (2, 10)

Point B: (7, 5)

How would you find the mid-point of segment AB?

$$^A \left( \frac{10+5}{2}, \frac{2+7}{2} \right)$$

$$^B \left( \frac{2+7}{2}, \frac{10+5}{2} \right)$$

3

Point A: (1, 1)

Point B: (5, 9)

How would you find the mid-point of segment AB?

$$^A \left( \frac{1+5}{2}, \frac{1+9}{2} \right)$$

$$^B \left( \frac{1+9}{2}, \frac{1+5}{2} \right)$$

4

Point A: (4, 7)

Point B: (10, 1)

How would you find the mid-point of segment AB?

$$^A \left( \frac{7+1}{2}, \frac{4+10}{2} \right)$$

$$^B \left( \frac{4+10}{2}, \frac{7+1}{2} \right)$$

5

Point A: (3, 9)

Point B: (5, 5)

How would you find the mid-point of segment AB?

$$^A \left( \frac{9+5}{2}, \frac{3+5}{2} \right)$$

$$^B \left( \frac{3+5}{2}, \frac{9+5}{2} \right)$$

6

Point A: (4, 4)

Point B: (5, 6)

How would you find the mid-point of segment AB?

$$^A \left( \frac{4+5}{2}, \frac{4+6}{2} \right)$$

$$^B \left( \frac{4+6}{2}, \frac{4+5}{2} \right)$$

7

Point A: (6, 5)

Point B: (7, 8)

How would you find the mid-point of segment AB?

$$^A \left( \frac{5+8}{2}, \frac{6+7}{2} \right)$$

$$^B \left( \frac{6+7}{2}, \frac{5+8}{2} \right)$$

8

Point A: (2, 10)

Point B: (4, 6)

How would you find the mid-point of segment AB?

$$^A \left( \frac{10+6}{2}, \frac{2+4}{2} \right)$$

$$^B \left( \frac{2+4}{2}, \frac{10+6}{2} \right)$$