

The Midpoint Formula

Consider a line segment whose endpoints are (x_1, y_1) and (x_2, y_2) . The coordinates of the segment's midpoint are

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

To find the midpoint, take the average of the two x-coordinates and the average of the two y-coordinates.

Example 2: Find the midpoint of each line segment with the given endpoints.

