

Calculating the Midpoint of Two Points

Geometry: Madhu / Randall

Problem: Find the midpoint between the following points, **(-3, 5)** and **(7, -3)**

Identify the following: $x_1 =$ $x_2 =$ $y_1 =$ $y_2 =$

Plug into the formula. Midpoint = $\left(\frac{\quad + \quad}{\quad}, \frac{\quad + \quad}{\quad} \right)$

Simplify the numerator. Midpoint = $\left(\frac{\quad}{\quad}, \frac{\quad}{\quad} \right)$

Simplify the numerator. Midpoint = $(\quad, \quad)$

Problem: Find the midpoint between the following points, **(-5, 6)** and **(3, -4)**

Identify the following: $x_1 =$ $x_2 =$ $y_1 =$ $y_2 =$

Plug into the formula. Midpoint = $\left(\frac{\quad + \quad}{\quad}, \frac{\quad + \quad}{\quad} \right)$

Simplify the numerator. Midpoint = $\left(\frac{\quad}{\quad}, \frac{\quad}{\quad} \right)$

Simplify the numerator. Midpoint = $(\quad, \quad)$