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| **LEARNING GOAL**: I will find the midpoint of a line segment |

**Part 1 – Investigation**  **(draw the line on your notebooks)**



The midpoint of a line segment is the point that divides the length of the segment into 2 equal parts.

**Ex 1: Find the midpoint of the line segment connecting A (1, 2) and B (5, 6).**

**Ex 2: Find the coordinates of the midpoint of the line segment connecting K (-6, 4) and L (4,-2)** [-1, 1]

**Ex 3: The midpoint of AB is M (-1, 7) for the point A (-5, 8) and B (x, y). Find x and y.** (x = 3, y = 6)

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| **Work on p. 55 # 5 – 8 and p.66 2ac, 3d, 5, 6, 13, 14, 23, and 29** |