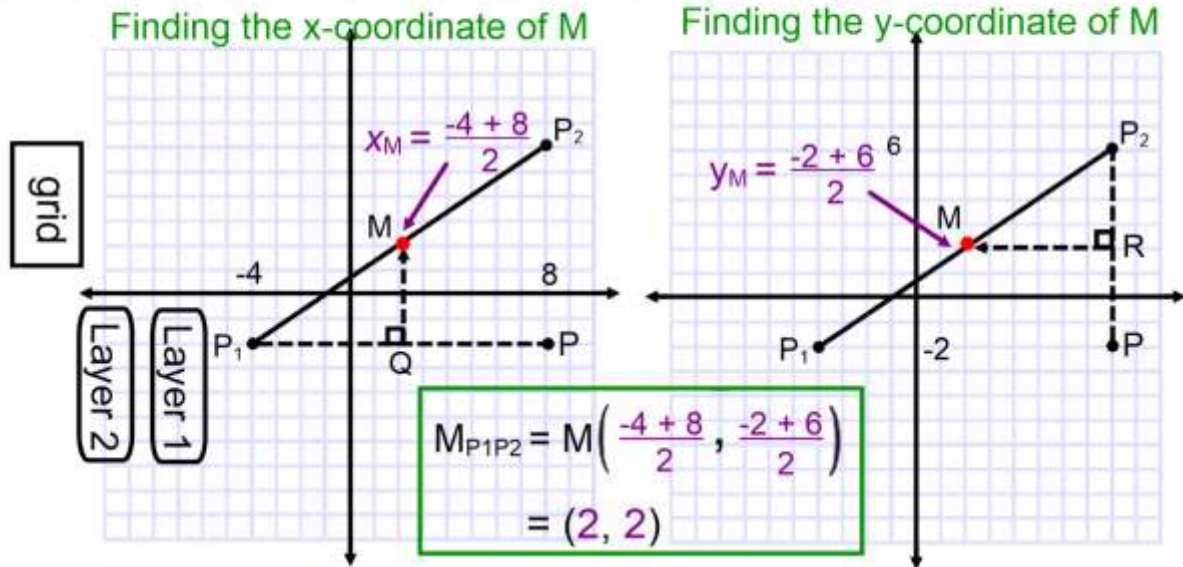


The Midpoint Formula

A line segment has endpoints $P_1(-4, -2)$ and $P_2(8, 6)$.

Find the coordinates of the midpoint, M , of line segment P_1P_2 .



The Midpoint Formula

Given two endpoints of line segment, P_1P_2 , the coordinates (x, y) of its midpoint M is given by the following expression:

Expression:

$$M_{P_1P_2} = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$$

Geometric Interpretation:

