

$$1 + m_1m_2 = 0$$

$$m_1m_2 = -1$$

2 Mid point formula

If $A(x_1, x_2)$ and $B(y_1, y_2)$ are end points of a line segment $\overline{AB}$, then mid point P is given by:

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

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