

Slope of line equation

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Find slope

(10, 16)

(25, 12)

$$m = \frac{12-16}{25-10}$$

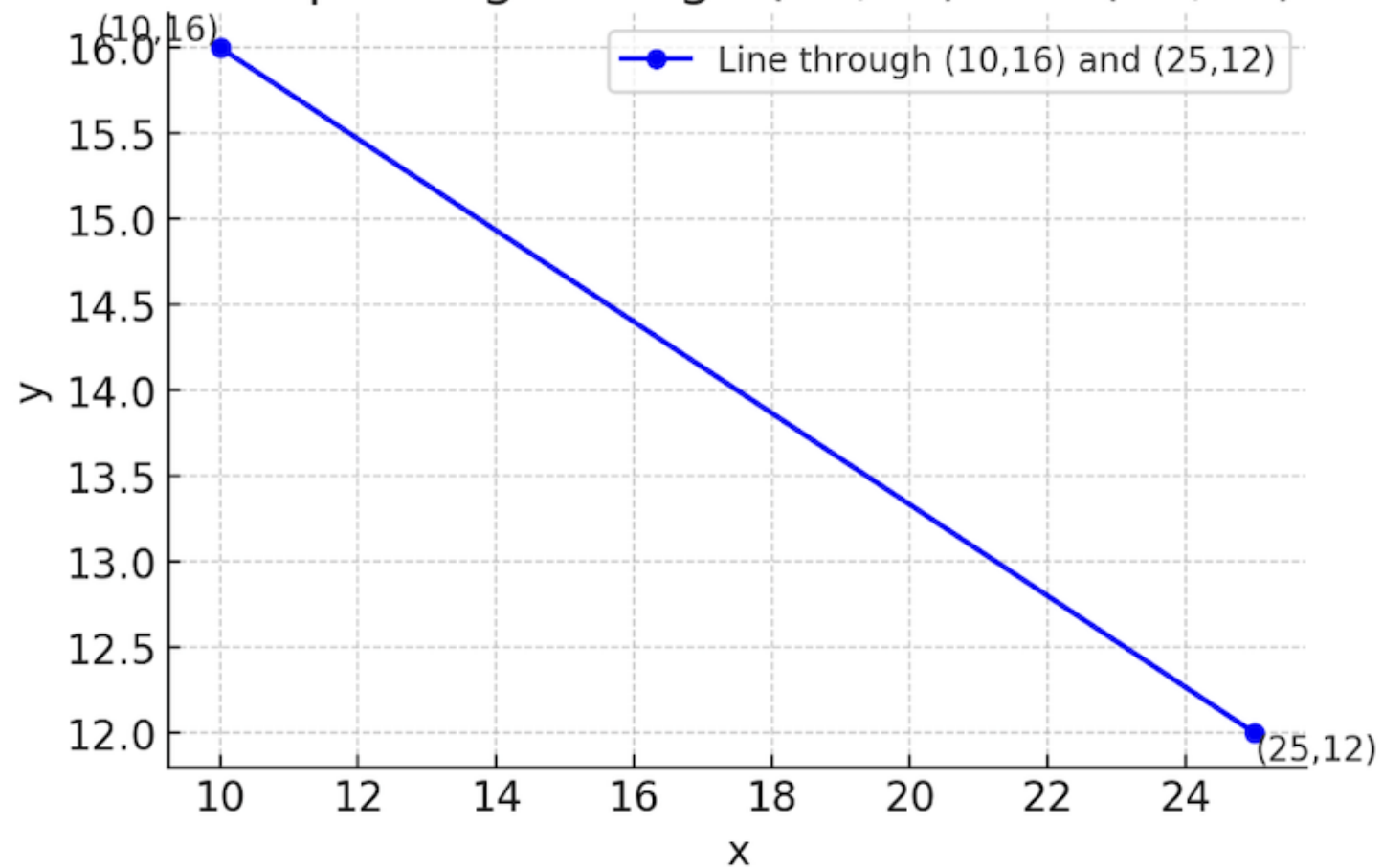
$$m = \frac{-4}{15}$$

$$m = -\frac{4}{15}$$

$$m = -0.26$$

$$m = -0.26$$

Line passing through (10,16) and (25,12)



Equation of line

$$y = mx + c$$

$$y = mx + c$$



Slope



Y-intercept

$$3y = 6x - 12$$

$$\begin{array}{c} 3y \\ \div 3 \end{array} \bigg| = \bigg| \begin{array}{c} 6x - 12 \\ \div 3 \end{array}$$

$y = 2x - 4$

For to coordinates (10,34) (110, 164)

Find

Distance

Midpoint

Slope

Equation of line