3647 Programming

Distance Formula

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$$d = \sqrt{\left(x_2 - x_1\right)^2 + \left(y_2 - y_1\right)^2}$$

Mrs. E Teaches Math

Slope Formula

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

Angle Formula

$$\theta = \tan^{-1}\left(\frac{y}{x}\right)$$

Magnitude Formula

$$m = \sqrt{x^2 + y^2}$$