InlineMathMode (Trignometry)
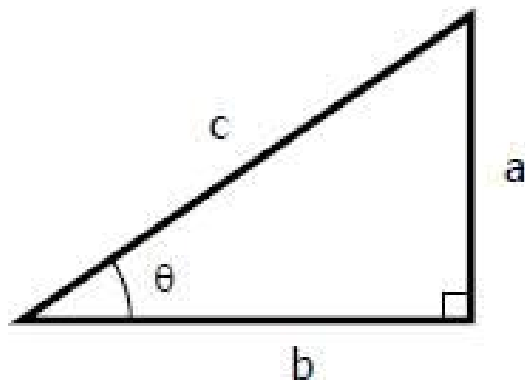
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This will be overview of Trignometry.
By Pythagoreas Theorem, we know that

$$a^2 + b^2 = c^2$$

Where, a and b are shorter sides of right angled triangle and c is the

hyptenuse. we define,

$$\sin(\theta) = \frac{a}{c} \tag{1}$$

$$\cos(\theta) = \frac{b}{c} \tag{2}$$

$$\tan(\theta) = \frac{a}{b} \tag{3}$$