Introduction to Trigonometry with Applications

TRIGONOMETRIC IDENTITIES

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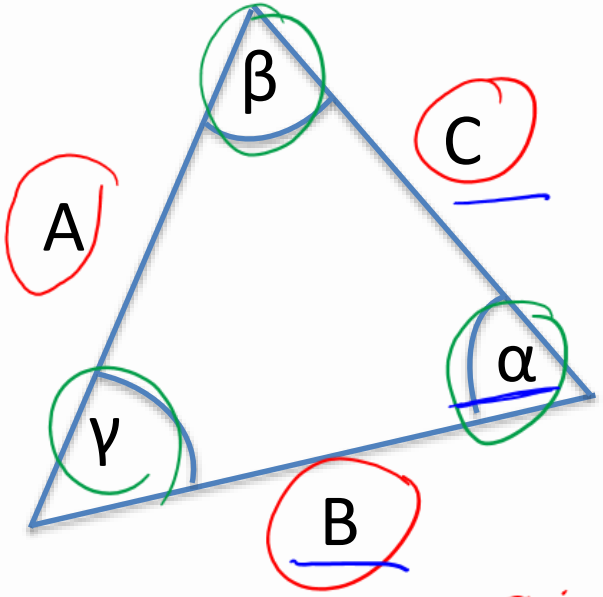
Trigonometric Identities



- Law of Sines

$$\frac{A}{\sin(\alpha)} = \frac{B}{\sin(\beta)} = \frac{C}{\sin(\gamma)}$$

- Law of Cosines

$$A^2 = B^2 + C^2 - 2 * B * C * \cos(\alpha)$$

- Trigonometric Identities

$$\sin(\alpha \pm \beta) = \sin(\alpha) * \cos(\beta) \pm \sin(\beta)\cos(\alpha)$$

$$\cos(\alpha \pm \beta) = \cos(\alpha) * \cos(\beta) \mp \sin(\alpha) * \sin(\beta)$$