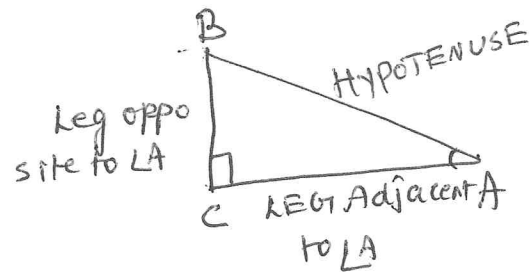


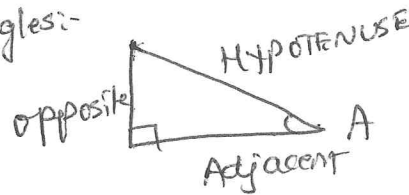
Mr.Reddy's Notes 7.5 Applying the Tangent Ratio

TANGENT RATIO:- THE TANGENT OF $\angle A$ IS defined as

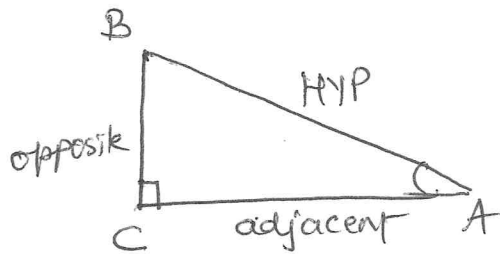
$$\tan A = \frac{\text{Length of leg opposite } \angle A}{\text{Length of leg Adjacent to } \angle A} = \frac{BC}{AC}$$



$\angle A$, $\angle B$ are Acute Angles:-



7.6 Applying the SINE AND COSINE RATIOS:-



$$\sin A = \frac{\text{opp}}{\text{HYP}} \rightarrow \text{SINE OF THE ANGLE } A$$

$$\cos A = \frac{\text{Adj}}{\text{HYP}} \rightarrow \text{CO-SINE OF THE angle } A$$

NOTE:-

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$$\sin = \frac{\text{opp}}{\text{HYP}}$$

$$\cos = \frac{\text{Adj}}{\text{HYP}}$$

$$\tan = \frac{\text{opp}}{\text{Adj}}$$