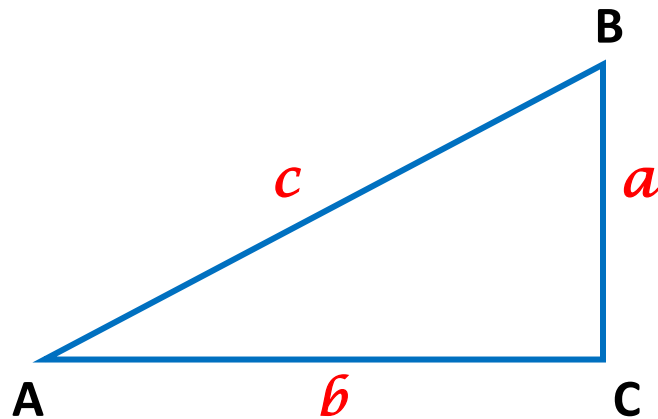


## Fundamental Identities – Cofunctions

Just Observations – Patterns

$$\sin A = \cos B = \frac{a}{c}$$

$$\tan A = \cot B = \frac{a}{b}$$



$$\sin A = \cos (90 - A) \text{ ----- } \cos A = \sin (90 - A)$$

$$\tan A = \cot (90 - A) \text{ ----- } \cot A = \tan (90 - A)$$

## Reciprocally Related Functions

$$\sin A = \frac{1}{\csc A}$$

$$\csc A = \frac{1}{\sin A}$$

$$\sin A \csc A = 1$$

$$\cos A = \frac{1}{\sec A}$$

$$\sec A = \frac{1}{\cos A}$$

$$\cos A \sec A = 1$$

$$\tan A = \frac{1}{\cot A}$$

$$\cot A = \frac{1}{\tan A}$$

$$\tan A \cot A = 1$$