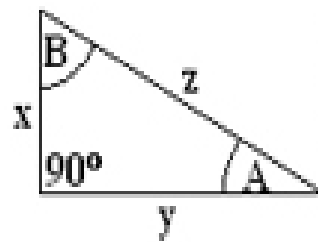


Side x is Adjacent to angle B  
Side x is Opposite to angle A



Side z is the Hypotenuse of the triangle.

Side y is Adjacent to angle A  
Side y is Opposite to angle B

For Angle A:

$$\sin(A) = \frac{\text{Opposite}}{\text{Hypotenuse}} = \frac{x}{z}$$

$$\cos(A) = \frac{\text{Adjacent}}{\text{Hypotenuse}} = \frac{y}{z}$$

$$\tan(A) = \frac{\text{Opposite}}{\text{Adjacent}} = \frac{x}{y}$$

For Angle B:

$$\sin(B) = \frac{\text{Opposite}}{\text{Hypotenuse}} = \frac{y}{z}$$

$$\cos(B) = \frac{\text{Adjacent}}{\text{Hypotenuse}} = \frac{x}{z}$$

$$\tan(B) = \frac{\text{Opposite}}{\text{Adjacent}} = \frac{y}{x}$$