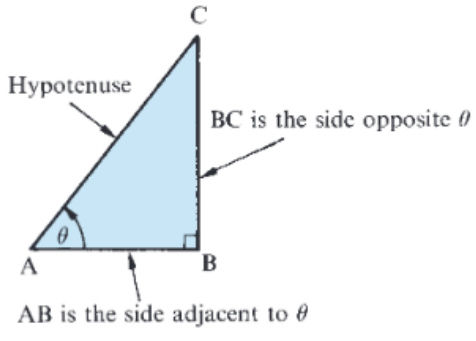
Ch 22 Introduction to trigonometry (C)



- **hypotenuse:** the side opposite the right angle
- **opposite**: the side opposite of θ
- **adjacent**: the remaining side

$$\sin\theta = \frac{\text{side opposite to } \theta}{\text{hypotenuse}} = \frac{BC}{AC}$$

$$\cos\theta = \frac{\text{side adjacent to } \theta}{\text{hypotenuse}} = \frac{AB}{AC}$$

$$\tan\theta = \frac{\text{side opposite to } \theta}{\text{side adjacent to } \theta} = \frac{BC}{AB}$$