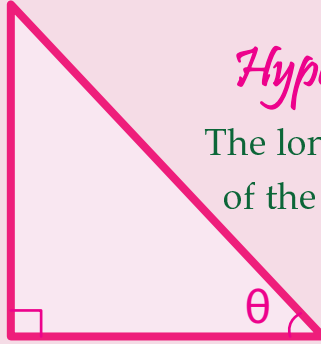


Name : \_\_\_\_\_

# Right Triangle Trigonometric Ratio

*Opposite*

The side opposite to the angle  $\theta$



*Hypotenuse*

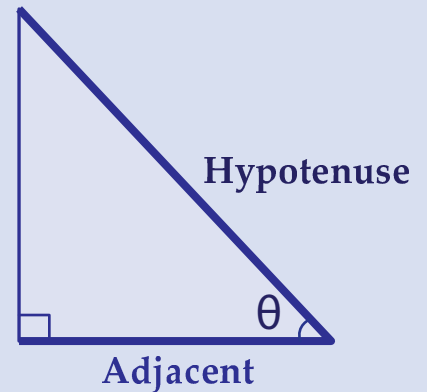
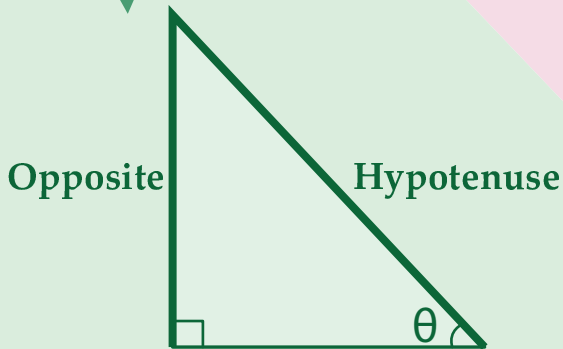
The longest side of the triangle

*Adjacent*

The side next to the angle  $\theta$

**Cosine (cos)**

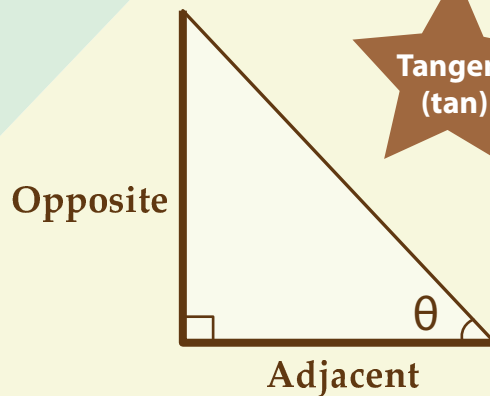
**Sine (sin)**



$$\text{Sine } \theta = \sin \theta = \frac{\text{Opposite}}{\text{Hypotenuse}}$$

$$\text{Cosine } \theta = \cos \theta = \frac{\text{Adjacent}}{\text{Hypotenuse}}$$

**Tangent (tan)**



$$\text{Tangent } \theta = \tan \theta = \frac{\text{Opposite}}{\text{Adjacent}}$$