

# GEOMETRY LESSON 13-5

**Sine and Cosine:** If  $A$  is an acute angle of a right triangle,

$$\text{Sin } A = \frac{\text{measure of the leg opposite } \angle A}{\text{measure of the hypotenuse}} \text{ and}$$

$$\text{Cos } A = \frac{\text{measure of the leg adjacent to } \angle A}{\text{measure of the hypotenuse}}$$

**Theorem 13-3:** If  $x$  is the measure of an acute angle of a

right triangle, then  $\frac{\sin x}{\cos x} = \tan x$ .