Similar Triangles Worksheet

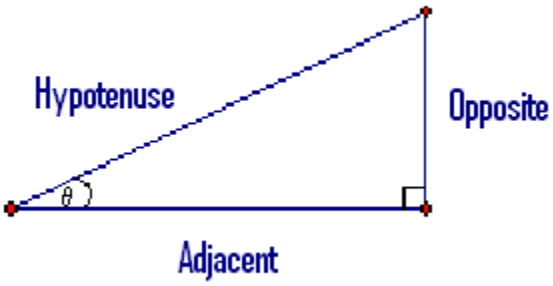
Student Name: _____

Describe 2 properties of similar triangles.

a) _____

b) _____

In a right-angled triangle the sides are given the following names: **opposite, adjacent,** and **hypotenuse.** These sides are given their name in accordance to their relationship with angle ***θ***. The ratio of two sides in a right triangle is called a trigonometric ratio. The 3 most commonly used ratios are **sine**, **cosine**, and **tangent**.



When 2 triangles are similar, their sides are also in proportion. While completing the next activity, examine the following ratios:

$$\frac{\text{opposite}}{\text{adjacent}}$$

$$\frac{\text{opposite}}{\text{hypotenuse}}$$

$$\frac{\text{adjacent}}{\text{hypotenuse}}$$