

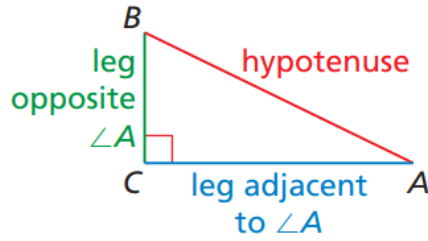
# Core Concept

## Tangent Ratio

Let  $\triangle ABC$  be a right triangle with acute  $\angle A$ .

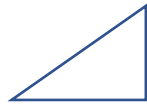
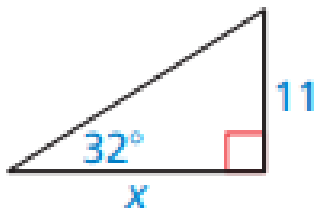
The tangent of  $\angle A$  is defined to be

$$\tan(A) = \frac{\text{leg opposite } \angle A}{\text{leg adjacent to } \angle A}$$



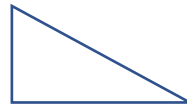
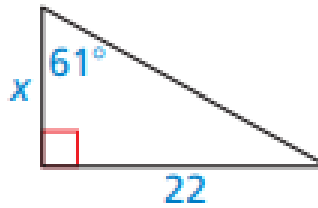
- 1) Find the value  $x$ . Round your answer to the nearest hundredth.

$$\tan(\quad) = \frac{\quad}{\quad}$$

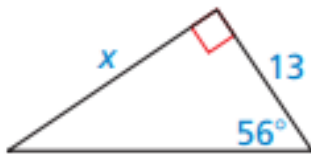


- 2) Find the value  $x$ . Round your answer to the nearest hundredth.

$$\tan(\quad) = \frac{\quad}{\quad}$$



$$3) \tan(\quad) = \frac{\quad}{\quad}$$



$$4) \tan(\quad) = \frac{\quad}{\quad}$$

