

Geometry  
Chapter 12 Practice Quiz

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Period: \_\_\_\_\_

1. Write the **ratio of sides** that the trig function is equal to.

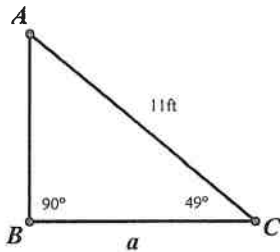
a.  $\sin x =$

b.  $\cos x =$

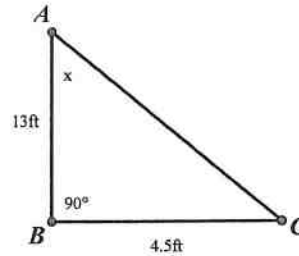
c.  $\tan x =$

2. Find the missing values. Round to three decimals.

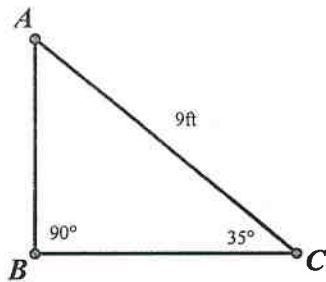
a. Find  $a$ .



b. Find  $x$ .



3. Find the **area** of the triangle.

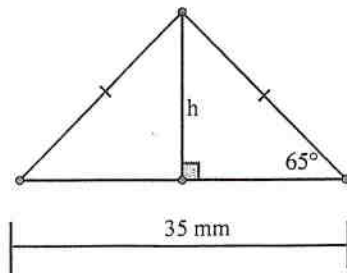


4. Solve for  $x$ .  $\sin x = \frac{24}{57}$

5. An airplane door is 17 feet off the ground and the ramp from the airplane door to the ground has an angle of 24° with the ground. Find the length of the ramp.

6. Find the area of the triangle.

a.



b.

