

# Applied Math 30S

Name \_\_\_\_\_

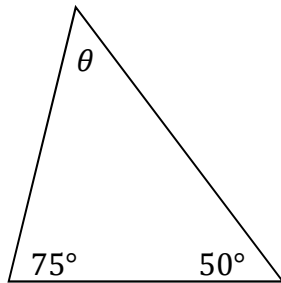
## Trigonometry Hand-In Assignment 1

Complete the following questions and hand in this assignment when finished. Round all answers to **two decimal places** where necessary.

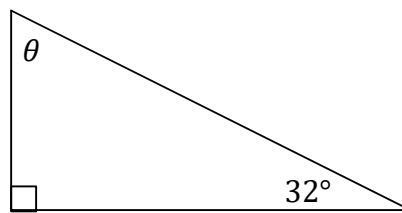
Formula:  $a^2 + b^2 = c^2$

1. Determine the size of the angle labelled  $\theta$  in the triangles below.

a)

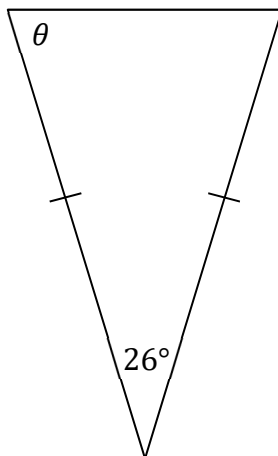


b)

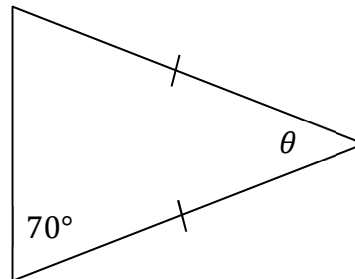


2. Determine the size of the angle labelled  $\theta$  in the isosceles triangles below.

c)

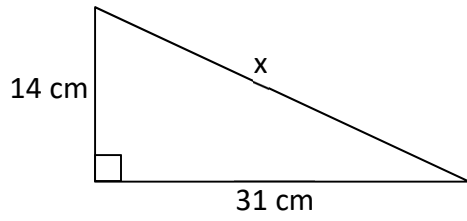


d)

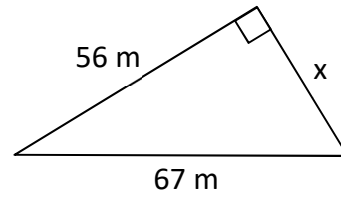


3. Use the Pythagorean Theorem to find the length of the indicated side ('x') in each of the following triangles:

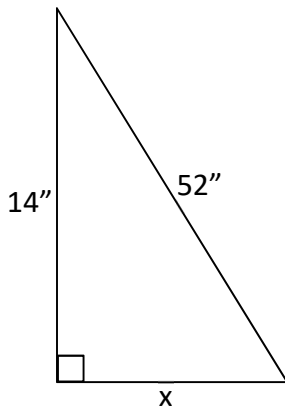
a)



b)



c)



d)

