

# Applied Math 30S

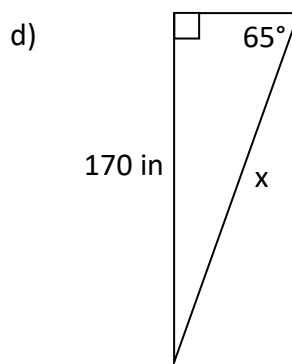
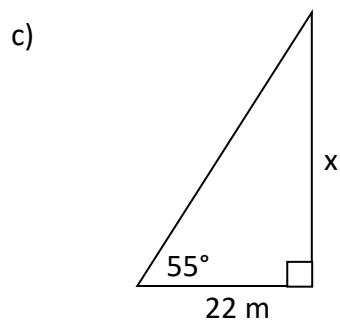
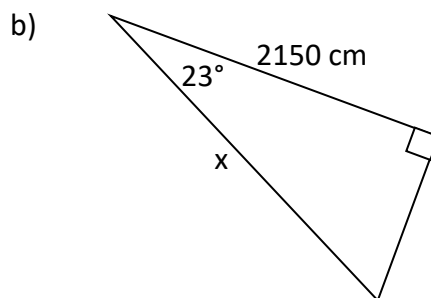
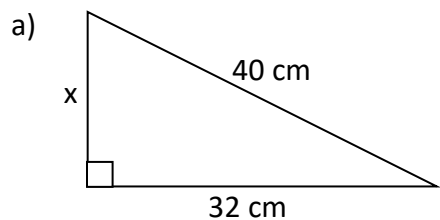
Name \_\_\_\_\_

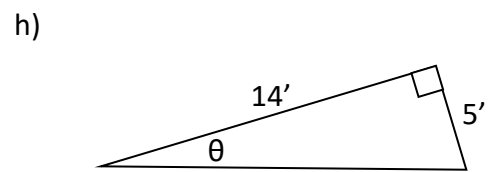
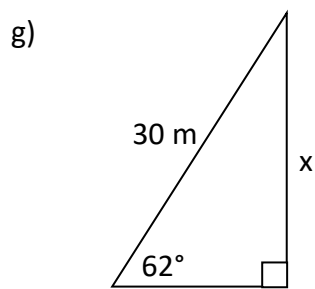
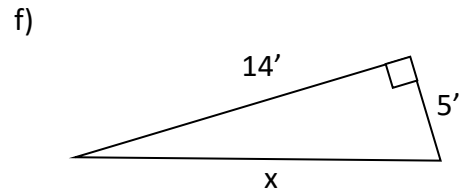
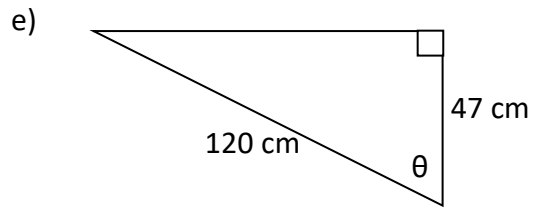
## Trigonometry Hand-In Assignment #2

Complete the following questions (on this page or on separate paper for more room) and hand in this assignment when finished. Round answers to **two decimal places** if necessary.

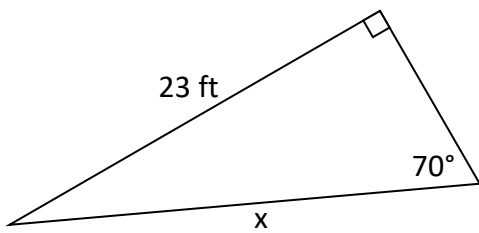
Formulas:  $a^2 + b^2 = c^2$        $\sin \theta = \frac{o}{h}$        $\cos \theta = \frac{a}{h}$        $\tan \theta = \frac{o}{a}$

1. Find the missing piece of information in each of the following triangles (x or  $\theta$ ):





2. Gord tried the question below but he made two mistakes! Find both of the mistakes, fix them, and then answer the question.



Gord's Work

$$\cos \theta = \frac{a}{h}$$

$$\cos 70^\circ = \frac{x}{23}$$

$$x = 23 \times \cos 70^\circ$$

$$x = 6.7 \text{ ft}$$

Your Work