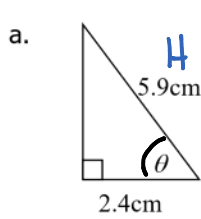


MAP 4CI : Review

Day 2 : Unit 2 - Trig

Sample Problems

1) Find the unknown in each triangle.



* Be sure calculator is in DEGREE mode. *

A

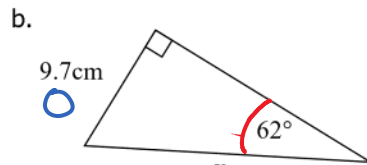
$$\cos \theta = \frac{A}{H}$$

$$\cos \theta = \frac{2.4}{5.9}$$

$$\theta = \cos^{-1}(2.4 \div 5.9)$$

$$\theta \doteq 66.0^\circ$$

Every time you are solving for an angle you need the inverse button!



$$\sin 62^\circ = \frac{9.7}{x}$$

$$\frac{\sin 62^\circ}{1} \times \frac{x}{x}$$

$$x = \frac{9.7}{\sin 62^\circ}$$

$$x \doteq 11.0 \text{ cm}$$