

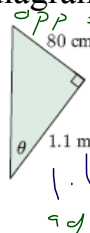
Practice quiz

1) Sine function is the ratio:

- a) opp / adj b) opp / hyp c) adj / hyp d) hyp / adj

2) $\tan^{-1}(4.5/6) =$

$$\underline{36.9^\circ}$$

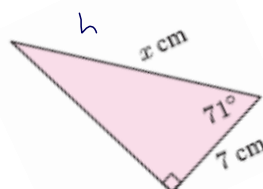
3) In the diagram below θ is:

$$\text{opp} = 80 \text{ cm}$$

adj.

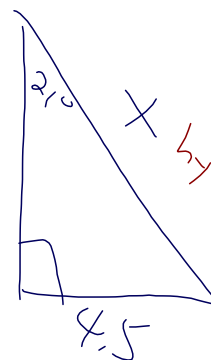
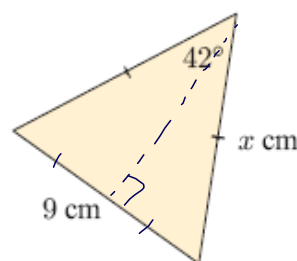
$$\tan \theta = \frac{8}{1.1}$$

$$\theta = \tan^{-1}\left(\frac{8}{1.1}\right) = \underline{36^\circ}$$

4) In the diagram below x is:

$$\cos 71^\circ = \frac{7}{x}$$

$$x = \frac{7}{\cos 71} = \underline{21.5 \text{ cm}}$$

5) In the diagram below x is:

$$\sin 21^\circ = \frac{4.5}{x}$$

$$x \sin 21 = 4.5$$

$$x = \frac{4.5}{\sin 21}$$

$$\underline{x = 12.6}$$

