

(i) False

eg  $\tan 60^\circ = \sqrt{3}$

(ii)  $\sec \theta = \frac{12}{5}$

True

$$\left[ \begin{array}{l} \because \sec \theta = \frac{\text{hyp}}{\text{a.s.}} \\ \text{hyp} > \text{a.s.} \end{array} \right]$$

(iii)  $\cos A$  is cosine of angle  $A$   
 $\therefore$  False

(iv) False

(v)  $\sin \theta = \frac{4}{3} \left( \frac{\text{o.s.}}{\text{h}} \right)$

False

$\because$  hyp. is longest side