## Trigonometry Q1 (30/6/23)

If  $sin\theta = 0.6$ , where  $0 \le \theta < 360^{\circ}$ , find  $tan\theta$ 

## Solution

$$tan\theta = \frac{sin\theta}{cos\theta} = \frac{sin\theta}{\pm\sqrt{1-sin^2\theta}} = \frac{\pm0.6}{0.8} = \pm\frac{3}{4}$$
 (or draw graphs)