

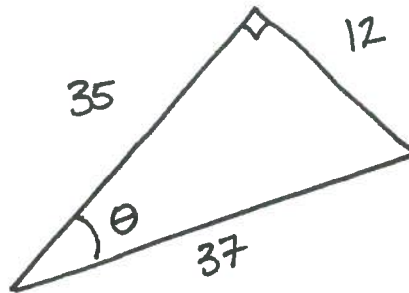
## Quiz 10

Name: Key \* Changes in Red

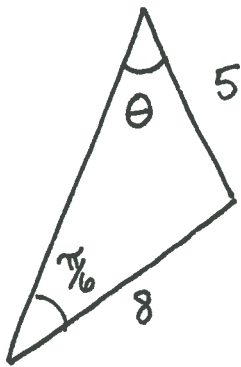
$$\textcircled{1} \sin(\theta) = \frac{12}{37}$$

$$\cos(\theta) = \frac{35}{37}$$

$$\tan(\theta) = \frac{12}{35}$$



$\textcircled{2}$  Find  $\sin(\theta)$

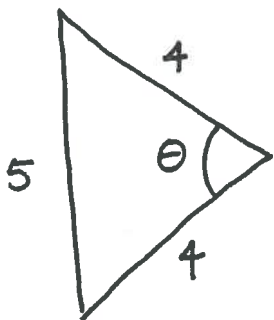


$$\frac{\sin\left(\frac{\pi}{6}\right)}{5} = \frac{\sin(\theta)}{8}$$

$$8 \cdot \frac{1/2}{5} = \sin(\theta)$$

$$\frac{4}{5} = \sin(\theta)$$

$\textcircled{3}$  Find  $\cos(\theta)$ :



$$5^2 = 4^2 + 4^2 - 2(4)(4)\cos\theta$$

$$25 = 16 + 16 - 32\cos\theta$$

$$25 = 32 - 32\cos\theta$$

$$16\cos\theta = 7$$

$$\cos\theta = \frac{7}{32}$$