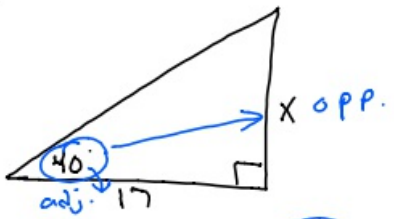
2-11-20 2nd Geo

Review

①



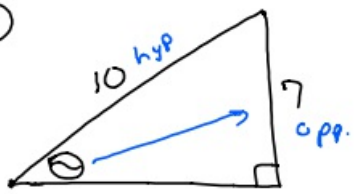
SOH CAH TOA

$\frac{\tan 40^\circ}{1} = \frac{x}{17}$

$x = 17 \cdot \tan 40$

$x \approx 14.3$

②

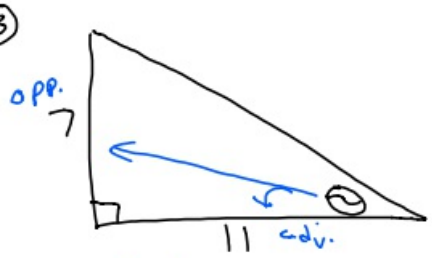


SOH CAH TOA

$\sin^{-1} \sin\theta = \sin^{-1} \frac{7}{10}$

$\theta \approx 44.4^\circ$

③

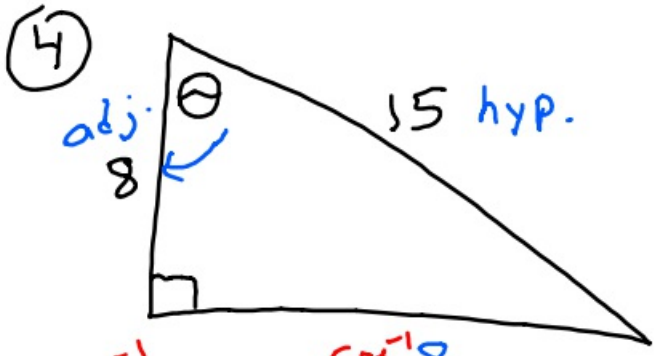


TOA

$\tan^{-1} \tan\theta = \tan^{-1} \frac{7}{11}$

$\theta \approx 32.5^\circ$

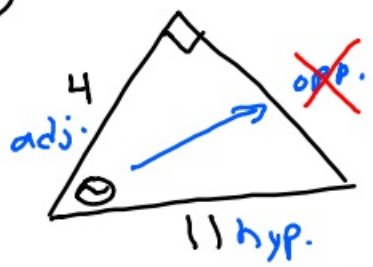
(4)



$\cos^{-1}\cos\theta = \cos^{-1}\frac{8}{15}$

$\theta \approx 57.8^\circ$

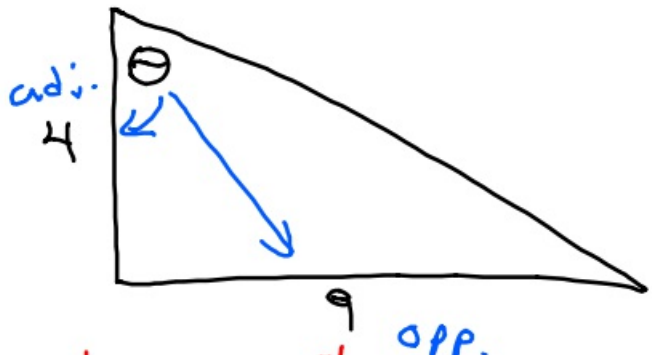
(5)



$\cos^{-1}\cos\theta = \cos^{-1}\frac{4}{11}$

$\theta \approx 68.7^\circ$

(6)



$\tan^{-1}\tan\theta = \tan^{-1}\frac{9}{4}$

$\theta \approx 66.0^\circ$

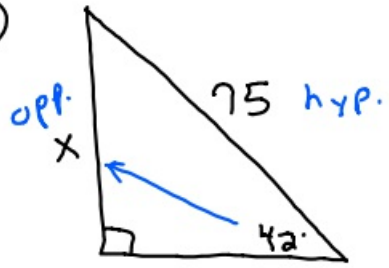
(7)

$\tan^{-1}$ $\tan^{-1}$

$\tan\theta = \frac{40}{12}$

$\theta \approx 73.3°$

(8)

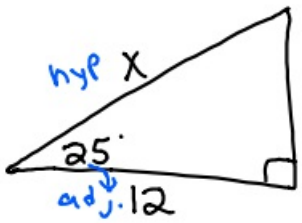


$\frac{\sin 42°}{1} = \frac{x}{75}$

$x = 75 \cdot \sin 42°$

$x \approx 50.2$

(9)



SOH
CAH
TOA

$\frac{\cos 25°}{1} = \frac{12}{x}$

$\frac{x \cdot \cos 25°}{\cos 25°} = \frac{12}{\cos 25°}$

$x \approx 13.2$

!!! TJA