

# Unit 4 Quiz



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\* Required

$\cos\theta = 1/5$ ; What is its reciprocal? \*

- $\csc\theta = 5$
- $\csc\theta = \sqrt{5}$
- $\sec\theta = 5$
- $\sec\theta = \sqrt{5}$

Given  $\cos\theta = 4/7$  and  $\theta$  is in Quadrant I, what is the exact value of  $\sin\theta$  in simplest form? Simplify all radicals if needed. \*

$\sqrt{33}/7$

Simplify the expression. \*

$$\frac{\tan 5^\circ + \tan 40^\circ}{1 - \tan 5^\circ \tan 40^\circ}$$

- $\tan 35^\circ$
- $\tan 35^\circ$
- $\tan 40^\circ$
- $\tan 45^\circ$

Simplify the expression. \*

$$\cos \frac{2\pi}{9} \cos \frac{4\pi}{9} - \sin \frac{2\pi}{9} \sin \frac{4\pi}{9}$$

- $\cos 2\pi/9$
- $\cos 2\pi/3$
- $\sin 2\pi/9$
- $\sin 2\pi/3$

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