

Unit 4 Quiz

* Required

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

Mark only one oval.

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

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

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

Mark only one oval.

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

4. Simplify the expression. *

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

Mark only one oval.

$\cos 2\pi/9$

$\cos 2\pi/3$

$\sin 2\pi/9$

$\sin 2\pi/3$

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