Quiz 32 November 29

Find the exact value of $\tan\left[\sin^{-1}\left(-\dfrac{\sqrt{7}}{4}\right)\right]$

Quiz 31 November 27

Find the exact value of:

1. $\tan^{-1}\left(\dfrac{1}{\sqrt{3}}\right)$ 　　　2. $Arc\tan 0$ 　　　3. $\tan^{-1}(-\sqrt{3})$

Quiz 30 November 20

Find the exact value of:

1. $Arc\cos\left(\dfrac{1}{2}\right)$ 　　　2. $\cos^{-1} 1$ 　　　3. $\cos^{-1}\left(-\dfrac{\sqrt{2}}{2}\right)$

Quiz 29 November 17

Find the exact value of:

1. $\sin^{-1}\left(\dfrac{\sqrt{3}}{2}\right)$ 　　　2. $Arc\sin(-1)$

Quiz 28 November 15

Sketch two cycles of the graph of $y = \dfrac{4}{3}\cot\left(2x + \dfrac{\pi}{4}\right)$

Quiz 27 November 13

Sketch two cycles of the graph of $y = 7\tan(-4x)$

Quiz 26 November 8

Sketch two cycles of the graph of $y = \sqrt{2}\csc\left(\dfrac{\pi x}{5}\right)$

Quiz 25 November 6

Sketch two cycles of the graph of $y = 3\sec\left(x - \dfrac{\pi}{6}\right)$

Quiz 24 November 3

Sketch one cycle of the graph of $y = 5\cos\left(\dfrac{3x}{4} + \dfrac{\pi}{7}\right)$

Quiz 23 November 1

Sketch one cycle of the graph of $y = \sqrt{3}\sin\left(-5x + \dfrac{2\pi}{3}\right)$
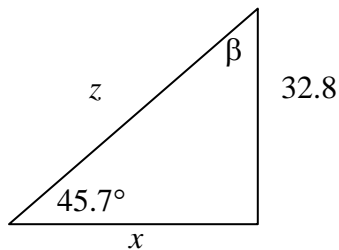
Quiz 22 October 30
Sketch one cycle of the graph of $y = 7 \sin 4x$

Quiz 21 October 27
The angle of depression from the top of a building to an object on the ground is 40°. If the object is 80 feet from the base of the building, then find the height of the building.

Quiz 20 October 23

52°

48   Solve for α and y

y

α

Quiz 19 October 20

β

z 32.8   Solve for β, x, z.
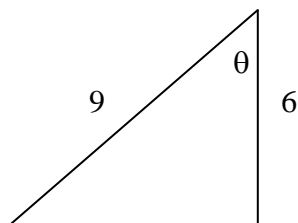
45.7°

x
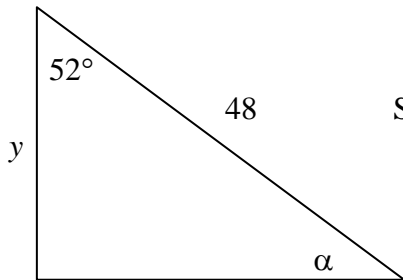
Quiz 18 October 13
If $\cot \alpha = \dfrac{3}{5}$ and $\cos \alpha < 0$, then find $\csc \alpha$ and $\cos \alpha$ using a right triangle.

Quiz 17 October 11
If $\cos \theta = -\dfrac{3}{\sqrt{15}}$ and θ is in the II quadrant, then find $\cot \theta$ and $\sin \theta$ using a right triangle.

Quiz 16 October 6
If $\csc \beta = \dfrac{8}{3}$ and β is an acute angle, then find $\sec \beta$ and $\tan \beta$ using a right triangle.

Quiz 15 October 4

θ

9   6   Find: 1. $\sin \theta$ 2. $\cot \theta$

Quiz 14 October 2

The terminal side of α is in the III quadrant and lies on the line $5x - 3y = 0$. Find the exact value of :   1. $\cos \alpha$ 2. $\cot \alpha$

Quiz 13 September 29

If the terminal side of β passes through the point $(-2, 6)$, then find csc β and tan β.

Quiz 12 September 27

Find the exact value of the following:

1. $\tan\left(-\dfrac{75\pi}{4}\right)$ 2. $\sec(480°)$

Quiz 11 September 25

Find the exact value of the following:

1. $\csc\left(\dfrac{46\pi}{3}\right)$ 2. $\sin(-990°)$

Quiz 10 September 22

1.   Find the angle between 0 and 2π that is coterminal with $\dfrac{51\pi}{4}$

2.   Find the angle between -2π and 0 that is coterminal with $-\dfrac{139\pi}{6}$

Quiz 9 September 20

Find the exact value of the following:

1. $\csc\left(\dfrac{3\pi}{4}\right)$ 2. $\cos(-150°)$ 3. $\cot\left(\dfrac{11\pi}{6}\right)$

Quiz 8 September 15

Find the exact value of the following:

1. $\sin\left(\dfrac{4\pi}{3}\right)$ 2. $\csc\left(-\dfrac{5\pi}{6}\right)$ 3. $\tan 120°$

Quiz 7 September 13

Find the exact value of the following:

1. $\cos\left(\dfrac{\pi}{6}\right)$ 2. $\sec 60°$ 3. $\cot 30°$

Quiz 6 September 11

Find the exact value of the following:

1. $\sin 30°$ 2. $\csc\left(\dfrac{\pi}{3}\right)$ 3. $\tan\left(\dfrac{\pi}{6}\right)$

Quiz 5 September 8

Find the exact value of the following:

1. $\tan 270°$ 2. $\sec\left(\dfrac{\pi}{2}\right)$ 3. $\sin \pi$

Quiz 5 September 8

Find the exact value of the following:

1. $\tan 90°$ 2. $\sec\left(\dfrac{3\pi}{2}\right)$ 3. $\sin 0$

Quiz 4 September 6

Find the exact value of the following:

1. $\sin\left(-\dfrac{3\pi}{2}\right)$ 2. $\cos 180°$ 3. $\csc 0$

September 4 Labor Day (No Classes)

Quiz 3 September 1

Central Angle: $\theta = 150°$ Arc Length: 10 feet

Find the length of the radius of the circle.

Quiz 2 August 30

Convert the following angles to radians if given in degree or to degrees if given in radians:

1. $\theta = 210°$ 2. $\alpha = -\dfrac{7\pi}{15}$ 3. $\beta = 4$

Quiz 1 August 28

Indicate the location of the following angles:

1. $\theta = 200°$ 2. $\alpha = -\dfrac{3\pi}{2}$ 3. $\beta = \dfrac{11\pi}{7}$