

Quiz 34 April 18

Find the exact value of $\cot \left[\cos^{-1} \left(-\frac{\sqrt{7}}{4} \right) \right]$

Quiz 33 April 16

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

Quiz 32 April 13

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

Quiz 31 April 11

Find the exact value of :

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

Quiz 30 April 9

Sketch two cycles of the graph of $y = \frac{3}{4} \tan(-5x)$

Quiz 29 April 6

Sketch two cycles of the graph of $y = 6 \cot \left(\frac{x}{4} \right)$

Quiz 28 April 4

Sketch two cycles of the graph of $y = \sqrt{10} \sec(-5x)$

Quiz 27 April 2

Sketch two cycles of the graph of $y = -\frac{5}{7} \cos \left(\frac{\pi x}{6} \right)$

Quiz 26 Mar 28

Sketch two cycles of the graph of $y = \sqrt{7} \sin \left(-\frac{3x}{5} \right)$

Quiz 25 Mar 26

Sketch two cycles of the graph of $y = 6 \sin 7x$

Quiz 24 Mar 23

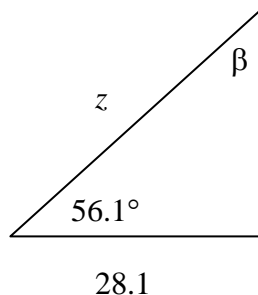
From a point P on level ground, the angle of elevation to the top of a tower is 32° . From a point 20 meters closer to the tower and on the same line with P and the base of the tower, the angle of elevation to the top of the tower is 48° . Find the height of the tower.

Quiz 23 Mar 21

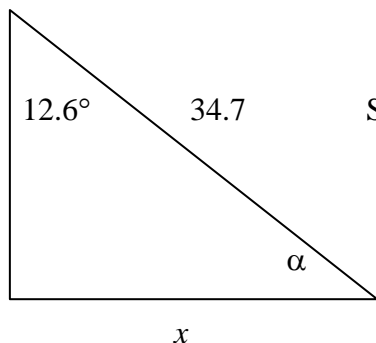
From a point P on the ground, the angle of elevation to the top of a 30-yard tree is 65° . What is the distance from the point P to the top of the tree?

Quiz 22 Mar 19

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 approximate height of the building. Round your answer to the nearest tenth.

Quiz 21 Mar 16

Solve for β and z . Round your answer for z to the nearest hundredth.

Quiz 20 Mar 14

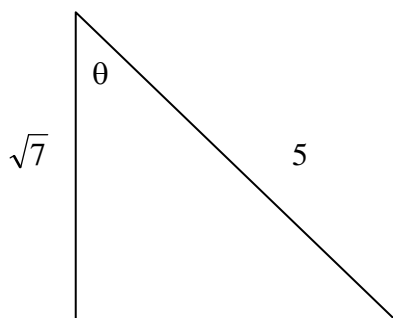
Solve for α and x

Quiz 19 Mar 12

The terminal side of the angle β is in the IV quadrant and lies on the line $y = -\frac{2}{3}x$. Find the exact value of $\sec \beta$ and $\cot \beta$.

Quiz 18 Mar 2

If $\cot \theta = \frac{5}{8}$ and θ is in the III quadrant, then find the exact value of $\sec \theta$ and $\sin \theta$.

Quiz 17 Feb 26

Find the exact value of $\cot \theta$ and $\cos \theta$

Quiz 16 Feb 23

The terminal side of the angle α is in the III quadrant and lies on the line $14x - 6y = 0$. Find the exact value of $\sec \alpha$ and $\tan \alpha$.

Quiz 15 Feb 21

The point $(2, -6)$ is on the terminal side of the angle β . Find the exact value of $\sin \beta$ and $\cot \beta$.

Quiz 14 Feb 19

Find the exact value of

Quiz 13 Feb 16

Find the exact value of

1. $\csc \frac{196\pi}{3}$
2. $\cos 11\pi$

Quiz 12 Feb 12

1. Find the angle between 0 and 2π that is coterminal with the angle $\theta = \frac{68\pi}{7}$
2. Find the angle between -2π and 0 that is coterminal with the angle $\alpha = -\frac{143\pi}{5}$

Quiz 11 Feb 9

Find the exact value of

1. $\csc 150^\circ$
2. $\cot\left(-\frac{5\pi}{6}\right)$
3. $\cos\left(-\frac{5\pi}{6}\right)$

Quiz 10 Feb 7

Find the exact value of

1. $\cos \frac{4\pi}{3}$
2. $\sin \frac{4\pi}{3}$
3. $\sec(-150^\circ)$

Quiz 9 Feb 5

Find the exact value of

1. $\csc(-\pi)$
2. $\tan 45^\circ$
3. $\sin \frac{\pi}{6}$

Quiz 8 Feb 2

1. $\alpha = -\frac{11\pi}{7}$

- a. Location of $-\frac{11\pi}{7} =$ _____
- b. $\alpha' =$ _____

2. $\beta = 250^\circ$

- a. Location of $250^\circ =$ _____
- b. $\beta' =$ _____

Quiz 7 Jan 31

Find the exact value of

1. $\sec \frac{\pi}{3}$

2. $\sin \frac{\pi}{3}$

3. $\cot \frac{\pi}{3}$

Quiz 6 Jan 29

Find the exact value of the following:

1. $\cos 270^\circ$

2. $\sin 270^\circ$

3. $\tan 270^\circ$

Quiz 5 Jan 26Central Angle: 80°

Arclength: 6 meters

Radius: ?

Quiz 4 Jan 22

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

1. $\theta = 240^\circ$

2. $\alpha = \frac{7\pi}{9}$

3. $\beta = -3$

Quiz 3 Jan 19

Determine the location of the following angles:

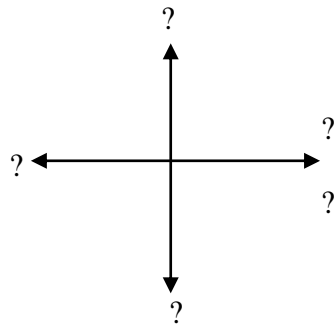
1. $\theta = -\frac{5\pi}{6}$

2. $\alpha = \frac{4\pi}{7}$

3. $\beta = \pi$

Quiz 2 Jan 17

Label the following angles going clockwise in radians:

**Quiz 1 Jan 12**

Determine the location of the following angles:

1. $\theta = 310^\circ$

2. $\alpha = -230^\circ$

3. $\beta = -270^\circ$