Each quiz is worth 9 points.

Quiz 34 April 23
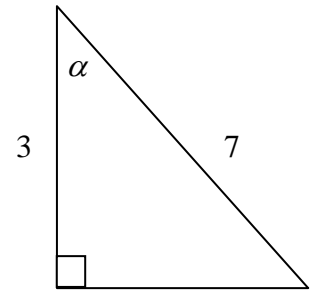Find the exact value of:

1. $\tan^{-1}(-\sqrt{3})$

2. Find α :

3. Find the angle θ, between 0 and 2π, if the terminal
    side of θ passes through the point $(-10, -16)$.

3　　　　　7

Scores: 6, 6, 5, 4, 4, 3, 3, 2, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0

Quiz 21 April 17
Find the exact value of :

Quiz 33 April 21
Find the exact value of :

1. $Arc\cos\left(\cos\dfrac{7\pi}{6}\right)$　　　　2. $Arc\tan(-1)$　　　　3. $\tan^{-1}\dfrac{1}{\sqrt{3}}$

Scores: 9, 6, 4, 4, 3, 3, 3, 3, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Quiz 32 April 18
Find the exact value of :

1. $\sin^{-1}\left(\sin\dfrac{7\pi}{6}\right)$　　　　2. $Arc\cos\left(-\dfrac{\sqrt{2}}{2}\right)$　　　　3. $\cos^{-1}0$

Scores: 9, 7, 5, 3, 3, 3, 3, 2, 0, 0, 0, 0, 0, 0, 0, 0

Quiz 31 April 16
Find the exact value of :

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

Scores: 9, 9, 9, 6, 6, 6, 6, 3, 3, 3, 0, 0, 0, 0, 0

Quiz 30 April 11
Sketch two cycles of the graph of $y = -\sqrt{15}\cot 9x$. Label the numbers on the x- and y-axes if applicable.
Scores: 9, 7, 7, 7, 7, 7, 5, 5, 5, 5, 5, 3, 2, 1, 0, 0, 0, 0, 0, 0

Quiz 29 April 9
Sketch two cycles of the graph of $y = 3\sec\left(x + \dfrac{\pi}{9}\right)$. Label the numbers on the x- and y-axes. Only label where each cycle begins and ends.
Scores: 8, 8, 7, 6, 6, 6, 5, 5, 4, 3, 3, 2, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0

Quiz 28 April 7

Sketch one cycle of the graph of $y = 11\cos\left(5x - \dfrac{2\pi}{3}\right)$.

Scores: 9, 9, 7, 7, 5, 4, 4, 4, 4, 2, 2, 1, 1, 0, 0, 0, 0, 0

Quiz 27 April 4

Sketch two cycles of the graph of $y = -\dfrac{7}{3}\cos 12x$.

Scores: 9, 9, 9, 9, 9, 8, 8, 8, 8, 7, 5, 5, 1, 0, 0, 0

Quiz 26 April 2

Sketch two cycles of the graph of $y = \dfrac{2}{5}\sin\left(-\dfrac{7\pi x}{18}\right)$.

Scores: 9, 9, 9, 9, 7, 7, 7, 7, 6, 6, 6, 6, 5, 5, 3, 0, 0, 0, 0, 0, 0

Quiz 25 Mar 31

Sketch two cycles of the graph of $y = \sqrt{2}\,\sin 5x$.

Scores: 9, 9, 9, 9, 9, 9, 9, 9, 8, 7, 6, 6, 6, 5, 4, 4, 3, 3, 3, 1, 1, 0, 0, 0, 0
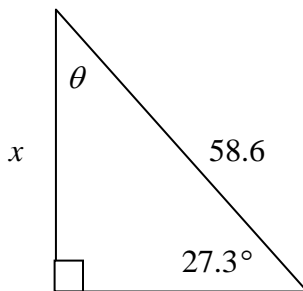
Quiz 24 Mar 28

The angle of depression from the top of a building to an object on the ground is $37°$. If the object is 95 feet from the base of the building, then find the height of the building. Round your answer to the nearest hundredth.

Scores: 9, 9, 8, 8, 7, 7, 7, 7, 6, 5, 5, 5, 4, 4, 3, 3, 2, 2, 1, 0, 0

Quiz 23 Mar 26

Solve for θ and x (Round x to the nearest tenth):

Scores: 9, 9, 9, 9, 8, 8, 7, 7, 7, 7, 7, 6, 6, 6, 6, 6, 6, 6, 4, 2, 0

Quiz 22 Mar 24
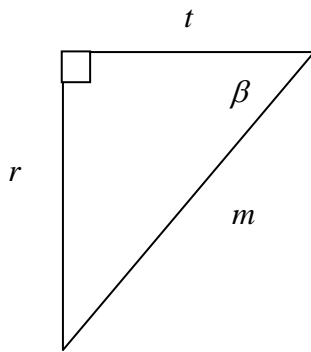
Approximate the following to four decimal places.

1. $\cos\dfrac{23\pi}{35}$ 2. $\tan 2807°$ 3. $\csc\left(-\dfrac{89\pi}{12}\right)$

Scores: 9, 9, 8, 6, 6, 3, 3, 3, 3, 3, 3, 2, 2, 2, 2, 2, 2, 0, 0, 0, 0, 0, 0, 0

Quiz 21 Mar 21

Given:

Find $\cos \beta$, $\csc \beta$ and $\tan \beta$.

Scores: 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 6, 6, 3, 3

Quiz 20 Mar 19

Determine the quadrant that the following angles are in.
1. $\sin \theta < 0$ and $\sec \theta > 0$
2. $\tan \alpha > 0$ and $\csc \alpha < 0$

Scores: 9, 9, 9, 9, 8, 8, 7, 7, 6, 5, 5, 5, 3, 2, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0

Quiz 19 Mar 17

If $\sin \beta = -\dfrac{3}{8}$ and β is in the III quadrant, then find the exact value of $\cos \beta$ and $\cot \beta$ using a right triangle.

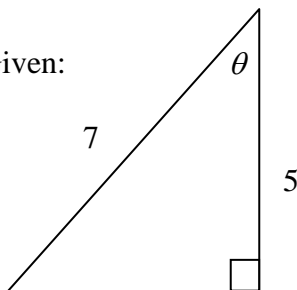Scores: 7, 7, 7, 7, 6, 6, 5, 5, 5, 5, 5, 4, 4, 4, 3, 2, 2, 1, 1, 0, 0, 0, 0, 0, 0

Quiz 18 Mar 12

If $\cot \alpha = \dfrac{8}{\sqrt{17}}$ and α is an acute angle, then find the exact value of $\sin \alpha$ and $\sec \alpha$.

Scores: 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 8, 8, 8, 7, 7, 7, 7, 6, 6, 6, 6, 5, 5, 4, 3, 0, 0, 0

Quiz 17 Mar 10

Given:

Find the exact value of $\csc \theta$ and $\tan \theta$.

Scores: 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 8, 8, 7, 7, 7, 6, 5, 5, 5, 5, 5, 5, 4, 2, 1, 1, 0, 0, 0

Quiz 16 Feb 29

The terminal side of the angle β lies on the line $14x + 6y = 0$ in the II quadrant. Find the exact value of $\cos \beta$ and $\cot \beta$.

Scores: 9, 9, 9, 9, 7, 6, 5, 2, 1, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0

Quiz 15 Feb 27
The point $(3, -9)$ is on the terminal side of the angle α. Find the exact value of $\csc \alpha$ and $\tan \alpha$.
Scores: 9, 9, 9, 9, 8, 8, 8, 8, 8, 6, 6, 6, 5, 5, 5, 5, 4, 4, 4, 0, 0, 0, 0, 0

Quiz 14 Feb 25
Find the exact value of the following:
1. $\sin 1170°$ 2. $\tan (-930°)$
Scores: 9, 8, 8, 7, 7, 6, 6, 6, 6, 5, 5, 5, 5, 5, 4, 4, 4, 4, 3, 3, 2, 2, 2, 2, 2, 1, 0

Quiz 13 Feb 22
Find the exact value of the following:
1. $\sin \dfrac{95\pi}{6}$ 2. $\cot \left(-\dfrac{97\pi}{3} \right)$
Scores: 8, 8, 7, 7, 7, 6, 6, 5, 5, 5, 4, 4, 4, 4, 3, 2, 2, 2, 2, 1, 1, 1, 0, 0, 0, 0

Quiz 12 Feb 18
1. Find the angle between 0 and 2π that is coterminal with the angle $\dfrac{143\pi}{5}$.

2. Find the angle between -2π and 0 that is coterminal with the angle $-\dfrac{68\pi}{7}$.

Scores:

Quiz 11 Feb 15
Find the exact value of the following:
1. $\cos \dfrac{5\pi}{3}$ 2. $\tan \left(-\dfrac{3\pi}{4} \right)$ 3. $\csc (-120°)$
Scores: 9, 8, 8, 8, 6, 6, 4, 4, 3, 3, 3, 3, 2, 2, 1, 1, 0, 0, 0, 0, 0, 0

Quiz 10 Feb 13
Find the exact value of the following:
1. $\cot \dfrac{5\pi}{3}$ 2. $\sec 135°$ 3. $\sin \left(-\dfrac{7\pi}{6} \right)$
Scores: 8, 7, 7, 5, 5, 4, 4, 4, 4, 3, 3, 2, 2, 1, 1, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Quiz 9 Feb 11
Find the reference angle for the following angles.
1. $\alpha = -125°$
2. $\beta = \dfrac{19\pi}{11}$
Scores: 9, 9, 9, 9, 9, 7, 7, 7, 7, 5, 5, 5, 5, 4, 4, 4, 4, 4, 4, 4, 3, 3, 3, 2, 2, 2, 0, 0, 0, 0, 0

Quiz 8 Feb 8
Find the exact value of the following:

1. $\tan \dfrac{\pi}{4}$ 　　　　2. $\csc 30°$ 　　　　3. $\cos \dfrac{\pi}{3}$

Scores: 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 8, 8, 6, 6, 6, 6, 6, 3, 3, 3, 3, 2, 0, 0, 0, 0, 0, 0, 0, 0

Quiz 7 Feb 6

Find the exact value of the following:

1. $\cot 60°$ 　　　　2. $\sin \dfrac{\pi}{4}$ 　　　　3. $\sec \dfrac{\pi}{6}$

Scores: 9, 9, 9, 9, 9, 9, 9, 8, 6, 6, 6, 3, 3, 3, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Quiz 6 Feb 1

Find the exact value of the following:

1. $\tan \dfrac{\pi}{2}$ 　　　　2. $\cos 270°$ 　　　　3. $\sec (-\pi)$

Scores: 9, 9, 9, 9, 9, 9, 9, 9, 8, 6, 6, 6, 6, 4, 3, 3, 3, 3, 3, 2, 0, 0, 0, 0, 0, 0, 0

Quiz 5 Jan 30

Find the exact value of the following:

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

Scores: 9, 9, 9, 9, 9, 8, 7, 6, 6, 6, 6, 6, 6, 6, 5, 5, 3, 3, 3, 0, 0, 0, 0, 0, 0, 0, 0

Quiz 4 Jan 28

If a central angle of 135° intercepts an arc of length 16 feet, then find the radius of the circle.

Scores: 8, 8, 8, 7, 6, 5, 4, 4, 4, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Quiz 3 Jan 25

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

1. $\theta = 192°$ 　　　　2. $\alpha = -\dfrac{16\pi}{45}$ 　　　　3. $\beta = 3$

Scores: 9, 9, 9, 8, 8, 8, 7, 7, 7, 6, 6, 6, 6, 6, 6, 6, 5, 5, 5, 5, 5, 5, 5, 5, 4, 4, 4, 2, 0, 0

Quiz 2 Jan 23

Determine the location of the following angles:

1. $\gamma = \dfrac{5\pi}{7}$ 　　　　2. $\alpha = -90°$ 　　　　3. $\theta = \dfrac{19\pi}{16}$

Scores: 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 8, 6, 6, 6, 6, 5, 3, 3, 2, 2, 0, 0

Quiz 1 Jan 18

Determine the location of the following angles:

1. $\theta = 195°$ 　　　　2. $\alpha = -\dfrac{18\pi}{11}$ 　　　　3. $\beta = -270°$

Scores: 9, 9, 9, 9, 9, 7, 7, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 5, 4, 4, 4, 4, 3, 3, 3, 3, 3, 3, 3, 3, 3

Quiz C Jan 16

1. Solve for y: $6x - 8y = 24$

2. Solve for x: $x^2 + \dfrac{7}{9} = 1$

Scores: 8, 8, 8, 8, 7, 7, 7, 7, 7, 6, 6, 6, 6, 6, 5, 5, 5, 5, 5, 5, 5, 5, 4, 4, 4, 4, 4, 3, 3, 2, 0

Quiz B Jan 11

If $y = -\dfrac{7}{3}x - 5$, then find the value of y when $x = -6$.

Scores: 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 8, 7, 7, 7, 7, 7, 6, 6, 5, 5, 5, 4, 4, 4, 3, 0, 0, 0, 0, 0

Quiz A Jan 9

If $f(x) = x^3 - 4x^2 - 5x + 9$, then find $f(-2)$

Scores: 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 8, 8, 8, 8, 7, 7, 7, 7, 7, 7, 7, 7, 7, 6, 6, 6, 5, 5, 2, 2, 0, 0