tan π/4 = sin π/2

Select one:

- True
- False

The following trigonometric function values are equal to one except for

Select one:

- a. csc 90°
- b. tan 45°
- c. cos 0°
- d. sin 45°

For which of the following angles is the tangent equal to cotangent?

Select one:

- a.
- b.
- c.
- d.

Which of the following has a value that is undefined?

Select one:

- a. cos 0
- b. tan π
- c. $\sec \frac{\pi}{2}$

d.

What angle has equal sine and cosine values?

Select one:

a. 45°

b. 90°

c. 30°

d. 60°

Check

$$\cos\frac{\pi}{3} - \sin\frac{\pi}{4} + \tan\frac{\pi}{3} = \frac{1-\sqrt{2}+2\sqrt{3}}{2}$$

What is the value of cos π?

Select one:

a. 1

b. –1

It is possible that the sine and cosine of the same angle are.

Select one:

True

False

cos π/6 > sin π/6

Select one:

True

False

Which of the following is the reciprocal of the sine?

Select one:

a. tangent

b. cosine

- c. cosecant
- d. secant

Given P(3, 4), determine cos P. - $\frac{3}{5}$

If the sine of M is positive while its cosine is negative, then in what quadrant is M located?

Select one:

- a. QII
- b. QIV
- c. QI
- d. QIII

How many values $x\ (\text{where } 0 \le x \le 2\pi)$ will satisfy tan x = 1

Select one:

- a. 2
- b. 3
- c. 1
- d. none

Point H has coordinates (5, –12). What is the value of sec H? - $\frac{13}{5}$

What is the sign of the cosine of point M(–2, 7)

Select one:

- a. zero
- b. negative
- c. positive
- d. cannot be determined

Given P(–4, k), such that tan P > 0. Which of the following statements is FALSE?

Select one:

- a. D: cot P > 0

b. csc P < 0

c. k > 0

d. P is in QIII

The cosine of a point that is in QII is negative.

Select one:

True

False

Solve:

$$\sqrt{2}\sec x\cot x - \sqrt{2}\sec x - 2\cot x + 2 = 0$$

Where $\left\{\frac{5\pi}{4}, \frac{3\pi}{4}\right\}$

Select one:

a. $\left\{\frac{5\pi}{4}\right\}$

b.

c.

d.

Given that cos L < 0 and tan L < 0. In what quadrant is L located?

Select one:

- a. QI
- b. QIV
- c. QIII
- d. QII

Which of the following statements is true about a point K in the fourth quadrant?

Select one:

- a. csc K > 0
- b. sec K < 0
- c. cot K < 0
- d. tan K > 0

If 0 ≤ x ≤ , then what are the solutions to the equation ? $(2\sin x + \sqrt{3})(\tan x + 1) = 0$

$\left\{\frac{3\pi}{4}, \frac{4\pi}{3}\right\}$

What is csc B given that B has coordinates (7, –24)? - $-\frac{25}{24}$

If point A is located in the second quadrant, then what is true about the product of sin A and cos A?

Select one:

- a. It is zero
- b. It is negative
- c. It is positive
- d. It is undefined

Which of the following points is a point on the unit circle? - $\left(\frac{\sqrt{10}}{10}, \frac{3\sqrt{10}}{10}\right)$

The sine of P(0, 12) is 1.

Select one:

- True

False

The tangent of a point in the fourth quadrant is positive.

Select one:

True

False

$\sin\frac{\pi}{4} - \cot\frac{\pi}{4} = 0$

- False

What is $\cos\frac{\pi}{2} - \sin\pi + \tan\frac{\pi}{4}$?

Select one:

a. 0

b. 2

c. 1

d. -1

Solve $(\cos x - 1)(2\cos x + \sqrt{3}) = 0$, such that $0 \le x \le \pi$

Select one:

a.

b. $\left\{0, \frac{5\pi}{6}\right\}$

c.

d.