



Trigonometry Identities - Pythagorean (Cot² and Csc²) Identity True/False (Radians)

1 Is this pythagorean trig identity correct?

$$\cot^2\left(\frac{\pi}{4}\right) = \sec^2\left(\frac{\pi}{4}\right) + 1$$

A Yes

B No

2 Is this pythagorean trig identity correct?

$$\csc^2\left(\frac{7\pi}{4}\right) = \cot^2\left(\frac{7\pi}{4}\right) + 1$$

A Yes

B No

3 Is this pythagorean trig identity correct?

$$\csc^2\left(\frac{7\pi}{6}\right) = \tan^2\left(\frac{7\pi}{6}\right) - 1$$

A Yes

B No

4 Is this pythagorean trig identity correct?

$$\cot^2\left(\frac{7\pi}{6}\right) = \csc^2\left(\frac{7\pi}{6}\right) - 1$$

A Yes

B No

5 Is this pythagorean trig identity correct?

$$\cot^2\left(\frac{7\pi}{4}\right) = \csc^2\left(\frac{7\pi}{4}\right) - 1$$

A Yes

B No

6 Is this pythagorean trig identity correct?

$$\cot^2\left(\frac{\pi}{3}\right) = \sec^2\left(\frac{\pi}{3}\right) + 1$$

A Yes

B No

7 Is this pythagorean trig identity correct?

$$\cot^2\left(\frac{11\pi}{6}\right) = \csc^2\left(\frac{11\pi}{6}\right) - 1$$

A Yes

B No

8 Is this pythagorean trig identity correct?

$$\cot^2\left(\frac{4\pi}{3}\right) = 1 - \csc^2\left(\frac{4\pi}{3}\right)$$

A Yes

B No