Name

Trigonometry Identities - Pythagorean (Tan^2 and Sec^2) Identity True/False (Radians)

1

Is this pythagorean trig identity correct?

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

A	B
Yes	No

2

Is this pythagorean trig identity correct?

$$\tan^2\left(\frac{5\pi}{6}\right) = 1 - \sec^2\left(\frac{5\pi}{6}\right)$$

A	B
Yes	No

3

Is this pythagorean trig identity correct?

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

A	B
Yes	No

4

Is this pythagorean trig identity correct?

$$\tan^2\left(\frac{5\pi}{3}\right) = 1 - \sec^2\left(\frac{5\pi}{3}\right)$$

A	B
Yes	No

5

Is this pythagorean trig identity correct?

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

A	B
Yes	No

6

Is this pythagorean trig identity correct?

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

A	B
Yes	No

7

Is this pythagorean trig identity correct?

$$\sec^2\left(\frac{5\pi}{6}\right) = \tan^2\left(\frac{5\pi}{6}\right) + 1$$

A	B
Yes	No

8

Is this pythagorean trig identity correct?

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

A	B
Yes	No