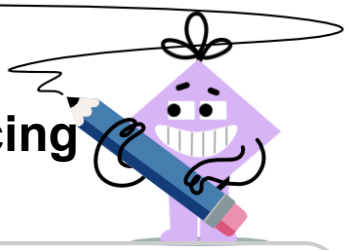
Name

Trigonometry Identities - Power Reducing Identity True/False (Radians)



1 Is this power reducing identity correct?

$$\cos^2\left(\frac{5\pi}{3}\right) = \frac{1+\cos\left(2\cdot\frac{5\pi}{3}\right)}{2}$$

A	B
Yes	No

2 Is this power reducing identity correct?

$$\tan^2\left(\frac{5\pi}{4}\right) = \frac{1+\cos\left(2\cdot\frac{5\pi}{4}\right)}{2}$$

A	B
Yes	No

3 Is this power reducing identity correct?

$$\cos^2\left(\frac{11\pi}{6}\right) = \frac{2}{1+\cos\left(\frac{11\pi}{6}\right)}$$

A	B
Yes	No

4 Is this power reducing identity correct?

$$\cos^2\left(\frac{3\pi}{4}\right) = \frac{1+\cos\left(2\cdot\frac{3\pi}{4}\right)}{1-\cos\left(\frac{3\pi}{4}\right)}$$

A	B
Yes	No

5 Is this power reducing identity correct?

$$\sin^2\left(\frac{5\pi}{4}\right) = \frac{1-\cos\left(2\cdot\frac{5\pi}{4}\right)}{2}$$

A	B
Yes	No

6 Is this power reducing identity correct?

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

A	B
Yes	No

7 Is this power reducing identity correct?

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

A	B
Yes	No

8 Is this power reducing identity correct?

$$\cos^2\left(\frac{5\pi}{3}\right) = \frac{2}{1+\cos\left(\frac{5\pi}{3}\right)}$$

A	B
Yes	No