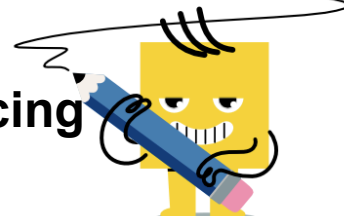




Trigonometry Identities - Power Reducing to Identity (Degrees)



1

$$\tan^2(45^\circ)$$

Complete the power reducing identity for this expression

$$A = \frac{1 - \cos(2 \cdot 45^\circ)}{1 + \cos(2 \cdot 45^\circ)}$$

$$B = \frac{2}{1 + \cos(45^\circ)}$$

2

$$\sin^2(135^\circ)$$

Complete the power reducing identity for this expression

$$A = \frac{1 - \cos(2 \cdot 135^\circ)}{2}$$

$$B = \frac{1 - \cos(2 \cdot 135^\circ)}{1 + \cos(135^\circ)}$$

3

$$\sin^2(30^\circ)$$

Complete the power reducing identity for this expression

$$A = \frac{1 + \cos(2 \cdot 30^\circ)}{1 - \cos(30^\circ)}$$

$$B = \frac{1 - \cos(2 \cdot 30^\circ)}{2}$$

4

$$\cos^2(30^\circ)$$

Complete the power reducing identity for this expression

$$A = \frac{1 + \cos(2 \cdot 30^\circ)}{2}$$

$$B = \frac{1 + \cos(2 \cdot 30^\circ)}{1 - \cos(30^\circ)}$$

5

$$\cos^2(300^\circ)$$

Complete the power reducing identity for this expression

$$A = \frac{1 + \cos(2 \cdot 300^\circ)}{1 - \cos(300^\circ)}$$

$$B = \frac{1 + \cos(2 \cdot 300^\circ)}{2}$$

6

$$\tan^2(60^\circ)$$

Complete the power reducing identity for this expression

$$A = \frac{2}{1 + \cos(60^\circ)}$$

$$B = \frac{1 - \cos(2 \cdot 60^\circ)}{1 + \cos(2 \cdot 60^\circ)}$$

7

$$\tan^2(315^\circ)$$

Complete the power reducing identity for this expression

$$A = \frac{2}{1 + \cos(315^\circ)}$$

$$B = \frac{1 - \cos(2 \cdot 315^\circ)}{1 + \cos(2 \cdot 315^\circ)}$$

8

$$\cos^2(225^\circ)$$

Complete the power reducing identity for this expression

$$A = \frac{1 + \cos(2 \cdot 225^\circ)}{1 - \cos(225^\circ)}$$

$$B = \frac{1 + \cos(2 \cdot 225^\circ)}{2}$$