



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

1 Is this power reducing identity correct?

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

A
Yes

B
No

2 Is this power reducing identity correct?

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

A
Yes

B
No

3 Is this power reducing identity correct?

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

A
Yes

B
No

4 Is this power reducing identity correct?

$$\tan^2(210^\circ) = \frac{1 - \cos(2 \cdot 210^\circ)}{1 + \cos(2 \cdot 210^\circ)}$$

A
Yes

B
No

5 Is this power reducing identity correct?

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

A
Yes

B
No

6 Is this power reducing identity correct?

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

A
Yes

B
No

7 Is this power reducing identity correct?

$$\cos^2(330^\circ) = \frac{1 + \cos(2 \cdot 330^\circ)}{2}$$

A
Yes

B
No

8 Is this power reducing identity correct?

$$\tan^2(330^\circ) = \frac{1 - \cos(2 \cdot 330^\circ)}{1 + \cos(2 \cdot 330^\circ)}$$

A
Yes

B
No