



Trigonometry Identities - Double Angle Identity True/False (Degrees)

1 Is this double-angle identity correct?

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

A

Yes

B

No

2 Is this double-angle identity correct?

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

A

Yes

B

No

3 Is this double-angle identity correct?

$$\cos(2 \cdot 120^\circ) = \frac{1 - \tan^2(120^\circ)}{1 + \tan^2(120^\circ)}$$

A

Yes

B

No

4 Is this double-angle identity correct?

$$\tan(2 \cdot 225^\circ) = \frac{\tan(225^\circ)}{1 - 2\tan(225^\circ)}$$

A

Yes

B

No

5 Is this double-angle identity correct?

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

A

Yes

B

No

6 Is this double-angle identity correct?

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

A

Yes

B

No

7 Is this double-angle identity correct?

$$\cos(2 \cdot 315^\circ) = 2\cos^2(315^\circ) - 1$$

A

Yes

B

No

8 Is this double-angle identity correct?

$$\cos(2 \cdot 330^\circ) = 1 - 2\sin^2(330^\circ)$$

A

Yes

B

No