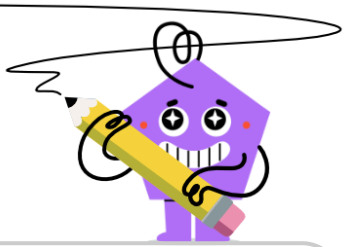
Name

Trigonometry Identities - Half Angle Identity True/False (Greek Letter)



1

Is this half-angle identity correct?

$$\cos(\frac{\beta}{2}) = \pm\sqrt{\frac{1+\sin(\beta)}{2}}$$

A	B
Yes	No

2

Is this half-angle identity correct?

$$\tan(\frac{\beta}{2}) = \pm\sqrt{\frac{1-\cos(\beta)}{1+\cos(\beta)}}$$

A	B
Yes	No

3

Is this half-angle identity correct?

$$\tan(\frac{\gamma}{2}) = \frac{\sin(\gamma)}{1+\cos(\gamma)}$$

A	B
Yes	No

4

Is this half-angle identity correct?

$$\sin(\frac{\beta}{2}) = \pm\sqrt{\frac{1+\cos(\beta)}{1-\cos(\beta}}$$

A	B
Yes	No

5

Is this half-angle identity correct?

$$\sin(\frac{\alpha}{2}) = \pm\sqrt{\frac{1+\cos(\alpha)}{1-\cos(\alpha}}$$

A	B
Yes	No

6

Is this half-angle identity correct?

$$\tan(\frac{\beta}{2}) = \pm\sqrt{\frac{1+\sin(\beta)}{2}}$$

A	B
Yes	No

7

Is this half-angle identity correct?

$$\tan(\frac{\alpha}{2}) = \frac{1+\cos(\alpha)}{\csc(\alpha)}$$

A	B
Yes	No

8

Is this half-angle identity correct?

$$\sin(\frac{\beta}{2}) = \pm\sqrt{\frac{1-\cos(\beta)}{2}}$$

A	B
Yes	No