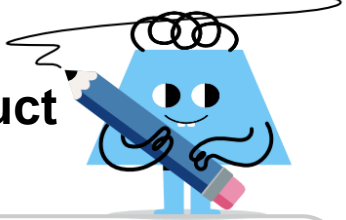
Name

Trigonometry Identities - Sum to Product Identity True/False (Greek Letter)



1 Is this sum to product identity correct?

$$\cos(\beta)-\cos(\theta)=-2\sin(\frac{(\beta+\theta)}{2})\sin(\frac{(\beta-\theta)}{2})$$

A	B
Yes	No

2 Is this sum to product identity correct?

$$\sin(\beta)+\sin(\alpha)=\sin(\frac{2}{(\beta+\alpha)})\sin(\frac{(\beta-\alpha)}{2})$$

A	B
Yes	No

3 Is this sum to product identity correct?

$$\cos(\gamma)-\cos(\beta)=-2\sin(\frac{(\gamma+\beta)}{2})\sin(\frac{(\gamma-\beta)}{2})$$

A	B
Yes	No

4 Is this sum to product identity correct?

$$\sin(\theta)-\sin(\gamma)=2\cos(\frac{(\theta+\gamma)}{2})-\sin(\frac{(\theta+\gamma)}{2})$$

A	B
Yes	No

5 Is this sum to product identity correct?

$$\sin(\beta)+\sin(\theta)=2\sin(\frac{(\beta+\theta)}{2})\cos(\frac{(\beta-\theta)}{2})$$

A	B
Yes	No

6 Is this sum to product identity correct?

$$\cos(\alpha)-\cos(\beta)=2\sin(\frac{2}{(\alpha+\beta)})\cos(\frac{(\alpha-\beta)}{2})$$

A	B
Yes	No

7 Is this sum to product identity correct?

$$\sin(\beta)+\sin(\gamma)=\sin(\frac{2}{(\beta+\gamma)})\sin(\frac{(\beta-\gamma)}{2})$$

A	B
Yes	No

8 Is this sum to product identity correct?

$$\cos(\beta)-\cos(\theta)=2\sin(\frac{2}{(\beta+\theta)})\cos(\frac{(\beta-\theta)}{2})$$

A	B
Yes	No