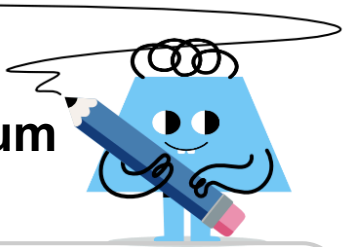
Name



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

1 Is this product to sum identity correct?

$$\sin(\gamma)\cos(\alpha) = \frac{1}{2}\left[\cos(\gamma+\alpha)+\sin(\gamma+\alpha)\right]$$

A	B
Yes	No

2 Is this product to sum identity correct?

$$\cos(\theta)\cos(\beta) = \frac{1}{2}\left[\sin(\theta+\beta)+\sin(\theta-\beta)\right]$$

A	B
Yes	No

3 Is this product to sum identity correct?

$$\cos(\beta)\sin(\gamma) = \frac{1}{2}\left[\cos(\beta+\gamma)+\cos^2(\beta+\gamma)\right]$$

A	B
Yes	No

4 Is this product to sum identity correct?

$$\cos(\gamma)\sin(\theta) = \frac{1}{2}\left[\cos(\gamma+\theta)+\cos^2(\gamma+\theta)\right]$$

A	B
Yes	No

5 Is this product to sum identity correct?

$$\cos(\beta)\sin(\theta) = \frac{1}{2}\left[\sin(\beta+\theta)+\sin(\beta-\theta)\right]$$

A	B
Yes	No

6 Is this product to sum identity correct?

$$\sin(\theta)\sin(\gamma) = \frac{1}{2}\left[\cos(\theta-\gamma)-\cos(\theta+\gamma)\right]$$

A	B
Yes	No

7 Is this product to sum identity correct?

$$\cos(\alpha)\cos(\gamma) = \frac{1}{2}\left[\cos(\alpha+\gamma)+\cos^2(\alpha+\gamma)\right]$$

A	B
Yes	No

8 Is this product to sum identity correct?

$$\cos(\alpha)\cos(\beta) = \frac{1}{2}\left[\cos(\alpha+\beta)+\cos^2(\alpha+\beta)\right]$$

A	B
Yes	No