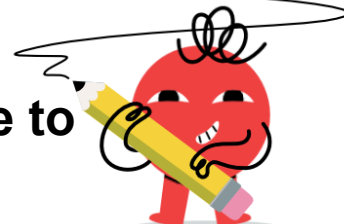




Trigonometry Identities - Double Angle to Identity (Greek Letter)



1

Complete the double-angle identity for this expression

$$\cos(2 \cdot \gamma)$$

$$\begin{array}{l} \text{A} = 2\cos^2(\gamma) - 1 \\ \text{B} = 1 + 2\sin^2(\gamma) \end{array}$$

2

Complete the double-angle identity for this expression

$$\tan(2 \cdot \alpha)$$

$$\begin{array}{l} \text{A} = \frac{2\tan(\alpha)}{1 - \tan^2(\alpha)} \\ \text{B} = \frac{\tan(\alpha)}{1 - 2\tan(\alpha)} \end{array}$$

3

Complete the double-angle identity for this expression

$$\sin(2 \cdot \gamma)$$

$$\begin{array}{l} \text{A} = 2\sin(\gamma)\cos(\gamma) \\ \text{B} = \frac{\sin(\gamma)\cos(\gamma)}{2} \end{array}$$

4

Complete the double-angle identity for this expression

$$\tan(2 \cdot \theta)$$

$$\begin{array}{l} \text{A} = \frac{2\tan(\theta)}{1 - \tan^2(\theta)} \\ \text{B} = \frac{\tan(\theta)}{1 - 2\tan(\theta)} \end{array}$$

5

Complete the double-angle identity for this expression

$$\cos(2 \cdot \alpha)$$

$$\text{A} = \cos^2(\alpha) - \sin^2(\alpha)$$

$$\text{B} = 2\cos^2(\alpha) + 1$$

6

Complete the double-angle identity for this expression

$$\cos(2 \cdot \theta)$$

$$\begin{array}{l} \text{A} = 2\cos^2(\theta) + 1 \\ \text{B} = 2\cos^2(\theta) - 1 \end{array}$$

7

Complete the double-angle identity for this expression

$$\sin(2 \cdot \theta)$$

$$\begin{array}{l} \text{A} = \frac{2\tan(\theta)}{1 + \tan^2(\theta)} \\ \text{B} = \frac{\sin(\theta)\cos(\theta)}{2} \end{array}$$

8

Complete the double-angle identity for this expression

$$\sin(2 \cdot \alpha)$$

$$\begin{array}{l} \text{A} = \sin(\alpha)\cos(\alpha) \\ \text{B} = 2\sin(\alpha)\cos(\alpha) \end{array}$$