Name

Trigonometry Identities - Double Angle to Identity (Greek Letter)

1

$\cos(2 \cdot \gamma)$

Complete the double-angle identity for this expression

A $= 2\cos^2(\gamma) - 1$

B $= 1 + 2\sin^2(\gamma)$

2

$\tan(2 \cdot \alpha)$

Complete the double-angle identity for this expression

A $= \frac{2\tan(\alpha)}{1 - \tan^2(\alpha)}$

B $= \frac{\tan(\alpha)}{1 - 2\tan(\alpha)}$

3

$\sin(2 \cdot \gamma)$

Complete the double-angle identity for this expression

A $= 2\sin(\gamma)\cos(\gamma)$

B $= \frac{\sin(\gamma)\cos(\gamma)}{2}$

4

$\tan(2 \cdot \theta)$

Complete the double-angle identity for this expression

A $= \frac{2\tan(\theta)}{1 - \tan^2(\theta)}$

B $= \frac{\tan(\theta)}{1 - 2\tan(\theta)}$

5

Complete the double-angle identity for this expression

$\cos(2 \cdot \alpha)$

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

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

6

$\cos(2 \cdot \theta)$

Complete the double-angle identity for this expression

A $= 2\cos^2(\theta) + 1$

B $= 2\cos^2(\theta) - 1$

7

$\sin(2 \cdot \theta)$

Complete the double-angle identity for this expression

A $= \frac{2\tan(\theta)}{1 + \tan^2(\theta)}$

B $= \frac{\sin(\theta)\cos(\theta)}{2}$

8

$\sin(2 \cdot \alpha)$

Complete the double-angle identity for this expression

A $= \sin(\alpha)\cos(\alpha)$

B $= 2\sin(\alpha)\cos(\alpha)$