



Trigonometry Identities - Pythagorean (Tan² and Sin²/Cos²) to Identity (Greek Letter)

1

Complete the pythagorean trig identity for this expression

$$\tan^2(\beta)$$

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

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

2

Complete the pythagorean trig identity for this expression

$$\sin^2(\theta)$$

A
$$= \tan^2(\theta) \cdot \cos^2(\theta)$$

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

3

Complete the pythagorean trig identity for this expression

$$\cos^2(\theta)$$

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

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

4

Complete the pythagorean trig identity for this expression

$$\cos^2(\alpha)$$

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

B
$$= \frac{\tan^2(\alpha)}{\sin^2(\alpha)}$$

5

Complete the pythagorean trig identity for this expression

$$\sin^2(\alpha)$$

A
$$= \tan^2(\alpha) \cdot \cos^2(\alpha)$$

B
$$= \frac{\cos^2(\alpha)}{\tan^2(\alpha)}$$

6

Complete the pythagorean trig identity for this expression

$$\tan^2(\alpha)$$

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

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

7

Complete the pythagorean trig identity for this expression

$$\sin^2(\beta)$$

A
$$= \tan^2(\beta) \cdot \cos^2(\beta)$$

B
$$= \tan^2(\beta) - \cos^2(\beta)$$

8

Complete the pythagorean trig identity for this expression

$$\cos^2(\beta)$$

A
$$= \sin^2(\beta) \cdot \tan^2(\beta)$$

B
$$= \frac{\sin^2(\beta)}{\tan^2(\beta)}$$