



Trigonometry Identities - Pythagorean (Tan² and Sec²) Identity True/False (Greek Letter)

1 Is this pythagorean trig identity correct?

$$\sec^2(\beta) = \tan^2(\beta) + 1$$

A
Yes

B
No

2 Is this pythagorean trig identity correct?

$$\tan^2(\gamma) = \csc^2(\gamma) - 1$$

A
Yes

B
No

3 Is this pythagorean trig identity correct?

$$\tan^2(\alpha) = 1 - \sec^2(\alpha)$$

A
Yes

B
No

4 Is this pythagorean trig identity correct?

$$\tan^2(\gamma) = \sec^2(\gamma) - 1$$

A
Yes

B
No

5 Is this pythagorean trig identity correct?

$$\sec^2(\theta) = \tan^2(\theta) + 1$$

A
Yes

B
No

6 Is this pythagorean trig identity correct?

$$\tan^2(\alpha) = \csc^2(\alpha) - 1$$

A
Yes

B
No

7 Is this pythagorean trig identity correct?

$$\tan^2(\beta) = \csc^2(\beta) - 1$$

A
Yes

B
No

8 Is this pythagorean trig identity correct?

$$\sec^2(\beta) = 1 - \tan^2(\beta)$$

A
Yes

B
No