Name _____

1

Complete the pythagorean trig identity for this expression

$$\tan^2(135°)$$

A	B
$= \dfrac{\sin^2(135°)}{\cos^2(135°)}$	$= \dfrac{\cos^2(135°)}{\sin^2(135°)}$

2

Complete the pythagorean trig identity for this expression

$$\cos^2(300°)$$

A

$$= \sin^2(300°) \cdot \tan^2(300°)$$

B

$$= \dfrac{\sin^2(300°)}{\tan^2(300°)}$$

3

Complete the pythagorean trig identity for this expression

$$\tan^2(225°)$$

A

$$= \sin^2(225°) - \cos^2(225°)$$

B

$$= \dfrac{\sin^2(225°)}{\cos^2(225°)}$$

4

Complete the pythagorean trig identity for this expression

$$\sin^2(315°)$$

A

$$= \dfrac{\cos^2(315°)}{\tan^2(315°)}$$

B

$$= \tan^2(315°) \cdot \cos^2(315°)$$

5

Complete the pythagorean trig identity for this expression

$$\tan^2(330°)$$

A

$$= \sin^2(330°) - \cos^2(330°)$$

B

$$= \dfrac{\sin^2(330°)}{\cos^2(330°)}$$

6

Complete the pythagorean trig identity for this expression

$$\tan^2(30°)$$

A	B
$= \dfrac{\cos^2(30°)}{\sin^2(30°)}$	$= \dfrac{\sin^2(30°)}{\cos^2(30°)}$

7

Complete the pythagorean trig identity for this expression

$$\tan^2(120°)$$

A

$$= \dfrac{\sin^2(120°)}{\cos^2(120°)}$$

B

$$= \sin^2(120°) - \cos^2(120°)$$

8

Complete the pythagorean trig identity for this expression

$$\tan^2(300°)$$

A	B
$= \dfrac{\sin^2(300°)}{\cos^2(300°)}$	$= \dfrac{\cos^2(300°)}{\sin^2(300°)}$