

WebAssign

MAT 10 Group assignment 7.2, 7.3, 7.4 (Homework)

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MAT 10 - Mulari, Spring 2014
Instructor: Jeffrey Mulari

Current Score : - / 7 Due : Tuesday, May 6 2014 11:59 PM PDT

1. -/1 points

SPreCalc6 7.2.028.

Prove the identity.

$$\cos(x - \pi) = -\cos x$$



This answer has not been graded yet.

2. -/1 points

SPreCalc6 7.2.036.

Prove the identity.

$$\cot(x + y) = \frac{\cot y \cot x - 1}{\cot y + \cot x}$$



This answer has not been graded yet.

3. -/1 points

SPreCalc6 7.2.040.

Prove the identity.

$$\cos(x - y) \cos(x + y) = \cos^2 x - \sin^2 y$$



This answer has not been graded yet.

4. -/1 points

SPreCalc6 7.3.078.

Prove the identity.

$$\frac{1 + \sin 2x}{\sin 2x} = 1 + \frac{1}{2} \sec x \csc x$$



This answer has not been graded yet.

5. -/1 points

SPreCalc6 7.3.084.

Prove the identity.

$$\tan^2\left(\frac{x}{2} + \frac{\pi}{4}\right) = \frac{1 + \sin x}{1 - \sin x}$$



This answer has not been graded yet.

6. -/1 points

SPreCalc6 7.3.090.

Prove the identity.

$$\tan y = \frac{\sin(x + y) - \sin(x - y)}{\cos(x + y) + \cos(x - y)}$$



This answer has not been graded yet.

7. -/1 points

SPreCalc6 7.4.008.

Solve the given equation. (Enter your answers as a comma-separated list. Let k be any integer. Round terms to two decimal places where appropriate.)

$$\cos \theta = \frac{\sqrt{3}}{2}$$

$\theta =$ rad