

WebAssign
MAT 10 HW 7.5 (Homework)muhammad alkhateeb
MAT 10 - Mulari, Spring 2014
Instructor: Jeffrey Mulari**Current Score :** - / 15 **Due :** Tuesday, May 13 2014 11:59 PM PDT**1.** -/1 points

SPreCalc6 7.5.003.

Solve the given equation. (Enter your answers as a comma-separated list. Let k be any integer. Round terms to three decimal places where appropriate. If there is no solution, enter NO SOLUTION.)

$$2 \cos^2 \theta - \sin \theta = 1$$

 $\theta =$ **Need Help?**[Read It](#)[Watch It](#)[Chat About It](#)**2.** -/1 points

SPreCalc6 7.5.007.

Solve the given equation. (Enter your answers as a comma-separated list. Let k be any integer. Round terms to three decimal places where appropriate. If there is no solution, enter NO SOLUTION.)

$$5 \sin 2\theta - 6 \sin \theta = 0$$

 $\theta =$ **Need Help?**[Read It](#)[Watch It](#)[Chat About It](#)**3.** -/1 points

SPreCalc6 7.5.013.

Solve the given equation. (Enter your answers as a comma-separated list. Let k be any integer. Round terms to three decimal places where appropriate. If there is no solution, enter NO SOLUTION.)

$$\sin \theta - 1 = \cos \theta$$

 $\theta =$ **Need Help?**[Read It](#)[Watch It](#)[Chat About It](#)

4. -/2 points

SPreCalc6 7.5.017.

An equation is given. (Enter your answers as a comma-separated list. Round terms to three decimal places where appropriate. If there is no solution, enter NO SOLUTION.)

$$-\frac{2}{\sqrt{3}} \cos 3\theta = 1$$

(a) Find all solutions of the equation.

$\theta =$

(b) Find the solutions in the interval $[0, 2\pi)$.

$\theta =$

Need Help?

[Read It](#)[Watch It](#)[Chat About It](#)

5. -/2 points

SPreCalc6 7.5.021.

An equation is given. (Enter your answers as a comma-separated list. Round terms to three decimal places where appropriate. If there is no solution, enter NO SOLUTION.)

$$\sqrt{3} \tan 3\theta + 1 = 0$$

(a) Find all solutions of the equation.

$\theta =$

(b) Find the solutions in the interval $[0, 2\pi)$.

$\theta =$

Need Help?

[Read It](#)[Watch It](#)[Chat About It](#)

6. -/2 points

SPreCalc6 7.5.025.

An equation is given. (Enter your answers as a comma-separated list. Round terms to three decimal places where appropriate. If there is no solution, enter NO SOLUTION.)

$$2 \sin \frac{\theta}{3} + \sqrt{3} = 0$$

(a) Find all solutions of the equation.

$\theta =$

(b) Find the solutions in the interval $[0, 2\pi)$.

$\theta =$

Need Help?

Read It

Watch It

Chat About It

7. -/2 points

SPreCalc6 7.5.031.

An equation is given. (Enter your answers as a comma-separated list. Round terms to three decimal places where appropriate. If there is no solution, enter NO SOLUTION.)

$$3 \tan^3 \theta + 3 \tan^2 \theta - \tan \theta - 1 = 0$$

(a) Find all solutions of the equation.

$\theta =$

(b) Find the solutions in the interval $[0, 2\pi)$.

$\theta =$

Need Help?

Read It

Watch It

Chat About It

8. -/2 points

SPreCalc6 7.5.041.

Use an Addition or Subtraction Formula to simplify the equation.

$$\sin 2\theta \cos \theta - \cos 2\theta \sin \theta = \frac{\sqrt{2}}{2}$$

Find all solutions in the interval $[0, 2\pi)$. (Enter your answers as a comma-separated list.)

 $\theta =$ **Need Help?**

Read It

Watch It

Chat About It

9. -/1 points

SPreCalc6 7.5.045.

Use a Double- or Half-Angle Formula to solve the equation in the interval $[0, 2\pi)$. (Enter your answers as a comma-separated list. Round your answers to three decimal places where appropriate.)

$$\cos 2\theta + \cos \theta = 2$$

 $\theta =$ **Need Help?**

Read It

Watch It

Chat About It

10. -/1 points

SPreCalc6 7.5.053.

Solve the equation by first using a Sum-to-Product Formula. (Enter your answers as a comma-separated list. Let k be any integer. Round terms to three decimal places where appropriate.)

$$\sin \theta + \sin 3\theta = 0$$

 $\theta =$ **Need Help?**

Read It

Watch It

Chat About It