Dawson (College:	Civil	Technology:	201-	912-DW	02
----------	----------	-------	-------------	------	--------	----

October 9, 2009

Name:

Student ID:

Quiz 5

Question 1. (4 marks) Find $\cos 2x$ if $\cos x = -\frac{12}{13}$ and x is in the third quadrant.

Question 2. (3 marks) Graph

$$y = -\cos(2x - \pi)$$

Question 3. (4 marks.) Solve the following system:

$$\begin{array}{rclrcrcr}
2x & + & 3y & + & z & = & 2 \\
-x & + & 2y & + & 3z & = & -1 \\
-3x & - & 3y & + & z & = & 0
\end{array}$$