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:

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