Dawson College: **Linear Algebra**: 201-105-05-S4: Fall 2012

Name: _____
Student ID: _____

Quiz 9

This quiz is graded out of 10 marks. No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

Question 1. §3.3 #10 *(2 marks)* Find a point normal form of the equation of the plane passing through $P(-1,3,-2)$ and having $\mathbf{n} = (-2,1,-1)$.

Question 2. YP pg.3 #2c *(5 marks)* Let $A(1,-1,0)$, $B(1,0,2)$, $C(-2,0,3)$ be three points in $\mathbb{R}^3$. Find an equation for the plane passing through A, B, C.

Question 3. YP pg.1 #1 *(3 marks)* Find the parametric equations of a line which passes through the point $C(6,3,0)$ and is parallel to the line which contains the points $A(6,-2,3)$ and $B(7,0,-3)$.