Dawson	College:	Linear	Algebra:	201-1	05-DW-	S05:	Fall 2	2009

Name:	
Student ID:	

Quiz 2

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. Consider the matrix:

$$A = \begin{bmatrix} 0 & 3 \\ 4 & 1 \end{bmatrix}$$

- a. (3 marks) Compute $A^2 + 2A I$.
- b. (4 marks) Verify that $(A^t)^{-1} = (A^{-1})^t$.

Question 2.(3 marks) Solve the following system by Gaussian elimination or Gauss-Jordan elimination.