Dawson College: Linear Algebra: 201-105-	DW-S05:	Fall 20	()9
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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:

$$A = \begin{bmatrix} 2 & 3 \\ 4 & 0 \end{bmatrix}$$

- 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.