Dawson College: Linear Algebra: 201-105-D	)W-S()4:	Fall 20	)()9
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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.**(5 marks) Consider the matrix:

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

Find the matrix *A* if

$$(B^t - I + A^t)^{-1} = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$$

**Question 2.**(5 marks) Solve the following system by Gaussian elimination or Gauss-Jordan elimination.