Dawson	College:	Linear	Algebra (SCIENCE)	: 201-	NYC	-05-S4:	Winter 2017
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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. §1.2 #TF (2 marks) Determine whether the statement is true or false, and justify your answer.

If an elementary row operation is applied to a matrix that is in row echelon form, the resulting matrix will still be in row echelon form.

Question 2. §1.2 #11a (3 marks) Determine whether the statement is true or false, and justify your answer.

If the reduced row echelon form of the augmented matrix for a linear system has a row of zeros, then the system must have infinitely many solutions.

Question 2. §1.2 #7 (5 marks) Solve the given linear system by Gauss-Jordan or Gaussian elimination.