Dawson College: Linear Algebra (SCIENCE): 201-NYC-05-S2: Winter 2018

Name:

## Quiz 5

This quiz is graded out of 6 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. §1.5 #TF In each parts, determine whether the statement is true or false, and justify your answer.

a. The product of two elementary matrices of the same size must be an elementary matrix.

f. If A is invertible and a multiple of the first row of A is added to the second row, then the resulting matrix is invertible.

g. An expression of an invertible matrix A as a product of elementary matrices is unique.