Dawson C	College:	Linear	Algebra (	SCIENCE)	: 201	-NYC-	05-S7:	Fall 2015
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Name:	
Student ID:	

## Quiz 3

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.** §1.5 #41 (5 marks) Prove that if A and B are  $m \times n$  matrices, then A and B are row equivalent if and only if A and B have the same reduced row echelon form.

**Question 2.** §1.6 #5 (2 marks) Solve the system by inverting the coefficient matrix.