Dawson C	College:	Linear	Algebra:	201-	-105-DW-	-S05:	Fall	2009
----------	----------	--------	----------	------	----------	-------	------	------

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. Consider the matrix:

- a. (2 marks) Compute det(A)
- b. (3 marks) Compute $det(B^{-3})$
- c. (4 marks) Compute det(C)
- d. (1 mark) Find all 3×3 diagonal matrices Y that satisfy $Y^2 3Y 4I = 0$.