Dawson College: 1	Linear Algebra:	201-NYC-05-S07:	Winter 2010
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Name:	
Student ID:	

Bonus Assignment 2

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. (10 marks) Use the combinatorial definition of the determinant to compute the determinant of the following matrix

$$A = \begin{bmatrix} a_{11} & a_{12} & a_{13} & a_{14} \\ a_{21} & a_{22} & a_{23} & a_{24} \\ a_{31} & a_{32} & a_{33} & a_{34} \\ a_{41} & a_{42} & a_{43} & a_{44} \end{bmatrix}.$$