Dawson College:	Chem	Tech / Lal	Tech:	201-921-DW ()1
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October 9, 2009

Name:

Student ID:

Quiz 5

Question 1. (4 marks) Determine whether or not $B = A^{-1}$. Show all of your work.

$$A = \begin{bmatrix} 5 & -2 \\ -2 & 1 \end{bmatrix} \quad B = \begin{bmatrix} 1 & 2 \\ 2 & 5 \end{bmatrix}$$

Question 2. (6 marks) Find the inverse of:

$$A = \begin{bmatrix} 1 & -3 & -2 \\ -2 & 7 & 3 \\ 1 & -1 & -3 \end{bmatrix}$$