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:

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