MATH 333 – Quiz 1

You may work with other class members on this quiz, but you may not receive assistance from people not in MATH 333 (Section 002). You must show all of your work to receive full credit. Do all your work on other sheets of paper and be sure to staple all the pieces of paper together or YOU WILL GET A ‘ZERO’ ON THE QUIZ. Do not use decimal approximations unless asked to do so. Your work on this quiz must be handed in by Friday, 5 September 2008 at 1040. GOOD LUCK!

Let
\[
A = \begin{bmatrix}
2 & 1 & 4 \\
-1 & 0 & 1 \\
3 & 1 & -2
\end{bmatrix}.
\]

Let
\[
b = \begin{bmatrix}
13 \\
-1 \\
4
\end{bmatrix}.
\]

1) Find \(x\) such that \(Ax = b\).

2) Find \(A^{-1}\).

Use the procedure discussed in class to do these exercises.