

Due upon arrival at class, or by class end on Monday, May 16, 2011

- Assignment to be completed individually.
- Submissions will receive full marks only if the solution is complete, correct, well-written.
- Show your work; give your answer in a sentence.

Find the general solution to the following matrix equation:

$$\begin{bmatrix} 2 & 0 & 2 & 0 \\ 3 & 5 & 8 & 13 \\ 1 & -1 & 2 & -3 \\ 0 & 1 & 1 & 2 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \end{bmatrix} = \begin{bmatrix} 1 \\ 2 \\ 2 \\ 1 \end{bmatrix}.$$