

Handwritten HW 11

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29. If A , B , and C are n times n invertible matrices, does the equation $C^{-1}(A + X)B^{-1} = I_n$ have a solution, X ? If so, find it.

Solution:

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21. An $m \times n$ **upper triangular matrix** is one whose entries *below* the main diagonal are 0's (as in Exercise 8). When is a square upper triangular matrix invertible? Justify your answer.

Solution: