MAT 211: Linear Algebra Problem Set 5

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Problem 1. (4 points) Compute the product

$$\begin{bmatrix} 1 & n \\ 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & m \\ 0 & 1 \end{bmatrix}.$$

Remark. As a consequence: $\begin{bmatrix} 1 & 1 \\ 0 & 1 \end{bmatrix}^n = \begin{bmatrix} 1 & n \\ 0 & 1 \end{bmatrix}$.

Problem 2. (4 points) Compute the product

[1	1	0	[1	1	0	
0	1	1	0	1	1	
0	0	1	0	0	1	

Due Date: Thursday March 14.

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