

MATH 3A HOMEWORK 4

DUE: Monday, Nov 7

READING ASSIGNMENT: Read Sections 2.3, 2.8, 2.9.

PROBLEMS FROM TEXTBOOK:

Section 2.3: 2, 4, 11, 12, 17, 22, 26, 27, 33, 36.

Section 2.8: 5, 8, 11, 13, 17, 23

Section 2.9: 1, 3, 5, 10, 13, 15, 18

ADDITIONAL PROBLEMS:

- 1) Find a matrix A such that $A^{-1} = \begin{bmatrix} 4 & 5 \\ 6 & 7 \end{bmatrix}$
- 2) Suppose $AB = \begin{bmatrix} 5 & 4 \\ -2 & 3 \end{bmatrix}$ and $B = \begin{bmatrix} 7 & 3 \\ 2 & 1 \end{bmatrix}$. Find A .