

UH - Math 4377/6308 - Dr. Heier - Fall 2012  
HW 7

Due 10/17, at the beginning of class.

Use regular sheets of paper, stapled together.  
Don't forget to write your name on page 1.

1. (1 point) Section 2.2, Problem 10
2. (1 point) Section 2.2, Problem 13
3. (1 point) Section 2.2, Problem 15
4. (1 point) Section 2.3, Problem 1 (No proofs needed.)
5. (1 point) Section 2.3, Problem 11
6. (1 point) Section 2.4, Problem 1 (No proofs needed.)
7. (1 point) Section 2.4, Problem 4
8. (1 point) Section 2.4, Problem 7
9. (1 point) Let A be the matrix

$$A = \begin{pmatrix} 1 & 3 & -1 \\ 2 & 5 & 1 \\ 3 & 4 & 13 \end{pmatrix}.$$

Find  $A^{-1}$ .

10. (1 point) Section 2.4, Problem 17
11. (1 extra credit point) Section 2.4, Problem 21