

UH - Math 4377/6308 - Dr. Heier - Fall 2017  
HW 10  
Due 11/16, 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 4.1, Problem 3
2. (2 points) Prove that a square matrix with a row of zeroes has determinant equal to zero. **Important:** You may use only the expansion along the first row and induction.
3. (1 point) Section 4.2, Problem 4
4. (1 point) Section 4.2, Problem 12
5. (1 point) Section 4.2, Problem 14
6. (1 point) Section 4.2, Problem 22
7. (1 point) Section 4.2, Problem 23
8. (2 points) Section 4.2, Problem 30