Introduction to Determinants

MATH 204: Linear Algebra
Prepare for class October 17, 2018 Name (Print): _____

After reading Section 3.1, work through the following ideas.

1. Suppose $A = \begin{bmatrix} 1 & 1 & 0 \\ 0 & 2 & 2 \\ 3 & 0 & 3 \end{bmatrix}$. What is a_{23}? What is A_{12}?

2. State the definition of the determinant of an $n \times n$ matrix.

3. Find the determinant of the matrix in Exercise 1 on page 169 using the definition above. (Don't worry about the directions that ask you to also do it in a second way.)

4. Find the determinant of the matrix in Exercise 3 on page 169 using the definition above. (Don't worry about the directions that ask you to also do it in a second way.)

5. Write down any questions you have on the reading.