MATH-332: Linear Algebra <u>Chapter</u>: 3

<u>Determinants</u>

<u>Section</u> 3.1: Introduction to Determinants

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<u>Lecture:</u> Introduction to Determinants

Topics:	Definition of determinant
	Cofactor Expansion Theorem
	Triangular Matrix Theorem
Problems	Prac: 1
	Prob: 19-38

Section Goals

- Devise a method of computing the determinant of a square matrix.

Section Objectives

- State the cofactor expansion theorem and its generalization to arbitrary row/column expansions.

- Use the cofactor expansion method and the principle of mathematical induction to prove theorem associated with the determinants of triangular matrices.