

## **Chapter 1.5 Matrices Vocabulary List**

### **1.5.1: Intro to Matrices, Addition and Subtraction with Matrices & Scalar Multiplication**

Matrix

Element

Entry

Address

Addition of Matrices

Dimensions

Equal matrices

Scalar

Scalar multiplication

### **1.5.2: Multiplication with Matrices**

Expansion by Minors

Identity Matrix

Multiplying Matrices

Square Matrix

### **1.5.3: Geometric Transformations with Matrices**

Transition matrix

Translation matrix

Dilation matrix enlargement and reduction

Rotation Matrix counterclockwise and clockwise

Transformation

Reflection Matrix x and y axis

180 degree Matrix

#### **1.5.4: Determinants & Inverse Matrices**

Determinant

Inverse of a Matrix

Inverse Equation with Matrices

#### **1.5.5: Cramer's Rule & Solving Systems with Matrices**

Matrix Equation

Cramer's Rule

System of Equations

Matrix System of Equations