GAM 51

Lab 1 + Assignment 1

Due 2/26

**Vector**

For this assignment, you will be applying the algorithms presented in class today to build a custom Vector3 class. Name the class MyVector3 Include a function for each of the following operations.

Vector Addition

Vector subtraction

Vector Scaling

Vector Magnitude

Vector Normalization

Dot Product

Cross Product

Include a demo each function. Present the results of each demonstration in numeric format using the debug console and in visual format using Debug.DrawLine or Debug.DrawRay.

Find each function in Week1\_Vectors.ppt