# Aero 320: Numerical Methods <br> Lab Assignment 10 

Fall 2013

## Problem 1

## Gauss elimination

Write $\mathrm{C}++$ code to solve the matrix equation $A x=b$ using Gauss elimination
(a) without partial pivoting,
(b) with partial pivoting.
(c) Compare your results in part (a) and (b) for examples given in class. Also try when $A$ is a $5 \times 5$ Van der Monde matrix, and the $b$ is constructed such that the true solution is $x=\{1,1, \ldots, 1\}^{\top}$

