Quiz 7

Name : _____

SID : _____

1. Find the dimension of the subspace H inside of $\mathbb{R}^3$ given by all vectors of the form

$$\begin{bmatrix} a + b + c \\ b + d \\ a + b + d \end{bmatrix}$$

where a, b, c, d are any real numbers.

2. If A is a 5×4 matrix, what is the largest possible dimension of the row space of A? What is the largest possible dimension of the null space Nul A?