

# Quiz #4

Please print your name:

---

**Problem 1.** Let  $A = \begin{bmatrix} 1 & 2 & 0 & 2 & 2 \\ 1 & 2 & 1 & 0 & 0 \\ 2 & 4 & 0 & 4 & 4 \\ 1 & 2 & 1 & 0 & 0 \end{bmatrix}$ . Find a basis for each of  $\text{col}(A)$ ,  $\text{row}(A)$  and  $\text{null}(A)$ .

basis for $\text{col}(A)$ :	basis for $\text{row}(A)$ :	basis for $\text{null}(A)$ :
-----------------------------	-----------------------------	------------------------------