## MTH 329 Quiz 8

Sunday, March 31, 2024

4:50 PM

$$A = \begin{bmatrix} 4 & 2 & 0 \\ 1 & 6 & 7 \\ 9 & 1 & 8 \end{bmatrix} \text{ ref } \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$\Rightarrow \text{row}(A) \text{ has basis} \left\{ \begin{bmatrix} 4\\2\\0 \end{bmatrix}, \begin{bmatrix} 6\\4 \end{bmatrix}, \begin{bmatrix} 9\\4 \end{bmatrix} \right\}$$

$$col(A)$$
 has basis  $\left\{ \begin{bmatrix} 4\\9 \end{bmatrix}, \begin{bmatrix} 2\\6 \end{bmatrix}, \begin{bmatrix} 6\\9 \end{bmatrix} \right\}$