East West University

Department of Mathematics and Physical Sciences (MPS)

Course Title: Linear Algebra and Complex Variables, Course Code: MAT 205

Time: 30 Minutes **Quiz 1** **Marks: 10**

1. Find the inverse of the matrix [6]

$$A=\begin{bmatrix} 0 & 3 & -4 \\ 0 & -4 & 2 \\ 1 & -1 & 5 \end{bmatrix}.$$

2. If $A=\begin{bmatrix} 1 & 2 \\ 3 & -4 \end{bmatrix}$ and $f(x)=x^2+5$ then find $f(A)$. [4]