





b) M = 2
11x11

 $\frac{2}{\sqrt{3^2+(-4)^2}} = \frac{2}{5}$ 

 $3\alpha_{1} - 4\alpha_{2} + 1 = 0.$   $\alpha = \begin{bmatrix} 1 & -1 \\ -1 & 1 \end{bmatrix}$ 

di = 91-Xi 15, b=1.

 $\frac{d_{1}:3(1)+(-4)\times(-1)+1}{\sqrt{3^{2}+(-4)^{2}}}$ 

dz = 3(-1) + (-4)(1) + 1 = -1.

 $d_3 = 3(0) + (-4) + 1 = -3$   $\sqrt{25} = -3$