A. 1)
$$w_{3} = \begin{bmatrix} 1 \\ 1 \end{bmatrix} \quad w_{0} = \begin{bmatrix} 1 \\ 0 \end{bmatrix} - 4 \begin{bmatrix} 1 \\ 1 \end{bmatrix} = \begin{bmatrix} 1 \\ 1 \\ 3 \end{bmatrix}$$

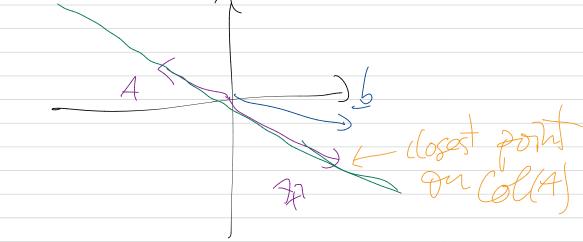
2) $w_{2} - w_{5} = 0$

3) $w_{1} = \begin{bmatrix} 1 \\ 1 \\ 3 \end{bmatrix} \quad w_{2} = \begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix} = \begin{bmatrix} 1 \\ 1 \\ 3 \end{bmatrix}$

4) $w_{1} \cdot w_{1} = 1 \quad w_{2} \cdot w_{5} = 0 \quad w_{5} \cdot w_{5} = 1$

5) $v_{2} = \begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix} = \begin{bmatrix} 1 \\ 2$

$$\begin{array}{c} (.1) \\ (.$$



E. 1) yes

2) (

J. J. J. Minimizes (5-f(1))+(3-f(5))+(3-f(5)) 5) least sywes -all Byn J Sey 50 5 t d (t-1) (t-2) = E(pH) + E(gH)

1- (O) C 6 6

H, I. owiffel.

