Lecture 16 Problems Problem 1

If such all ine existed it would satisfy.

$$\begin{bmatrix} 1 & -1 \\ 1 & 1 \\ 1 & 2 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \end{bmatrix} = \begin{bmatrix} 7 \\ 7 \\ 21 \end{bmatrix};$$

no such solution exists, but we get the best fit vialearts among solution

Problem 2

Neget P = (6, 13, 17) and thus b - p = 2 - 6, 4; Since e = 16 - 19 = 99 = 0.

If b=e, then b \(C(A)\).

e=o since b E ((A)

f vollem 6 We get least squares system [5] which has believes visual solution (=1, b=-Lan) thus line