question 1

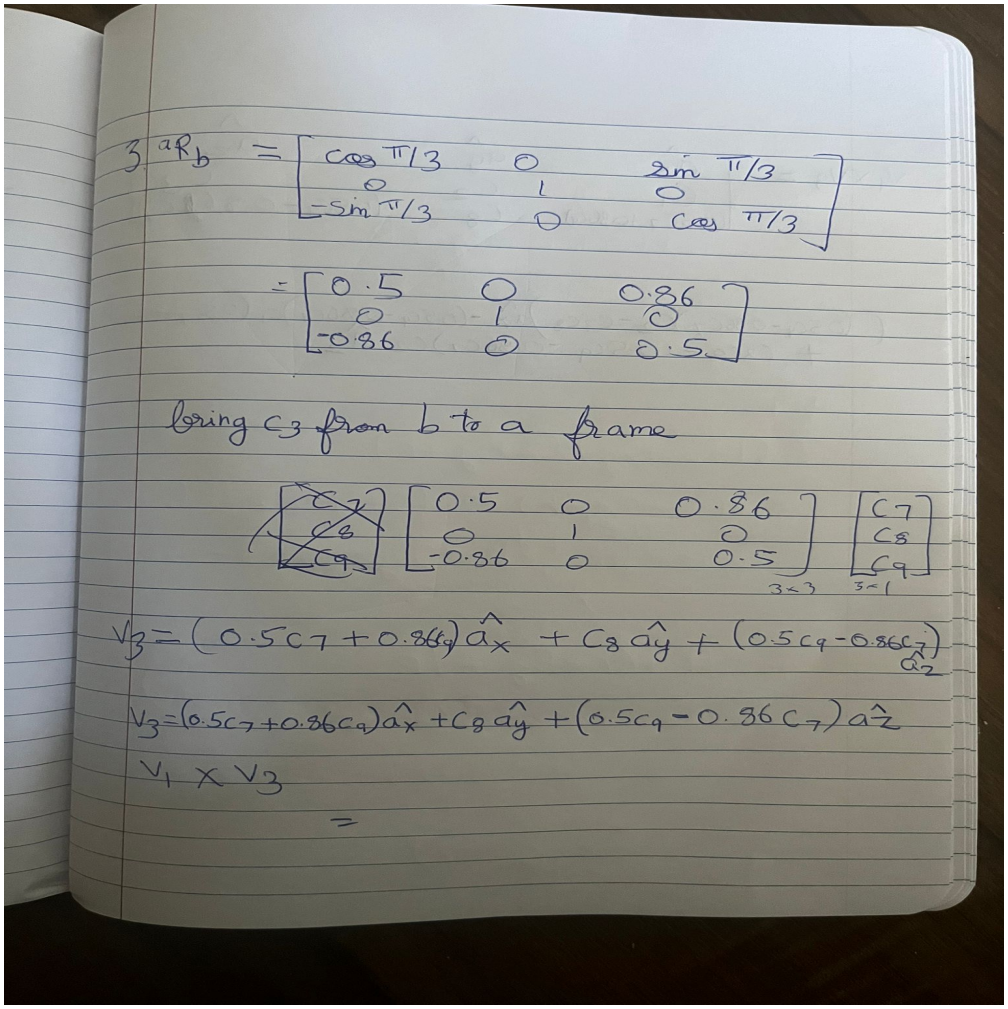
1a

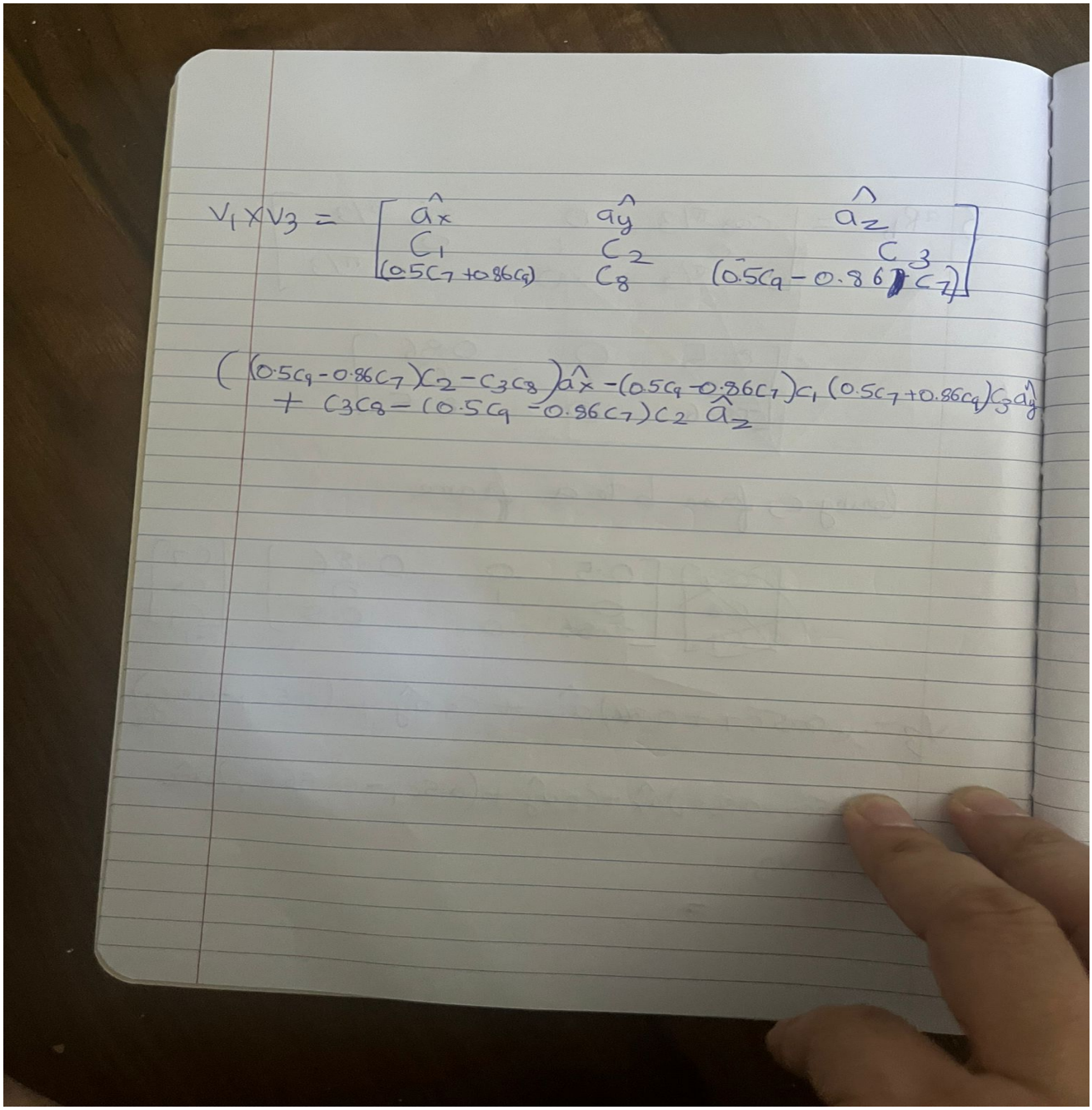
The square root of 16 is $\sqrt{c_4^2 + c_5^2 + c_6^2}$.

1b

It is not possible as there is not much data given between a and b

1c




V1 X V3 = [âx ây âz ; C1 C2 C3 ; (0.5C7 + 0.86C9) C8 (0.5C9 − 0.86C7)]
((0.5C9 − 0.86C7)C2 − C3C8) âx − (0.5C9 − 0.86C7)C1 (0.5C7 + 0.86C9)C3 ây
+ C3C8 − (0.5C9 − 0.86C7)C2 âz