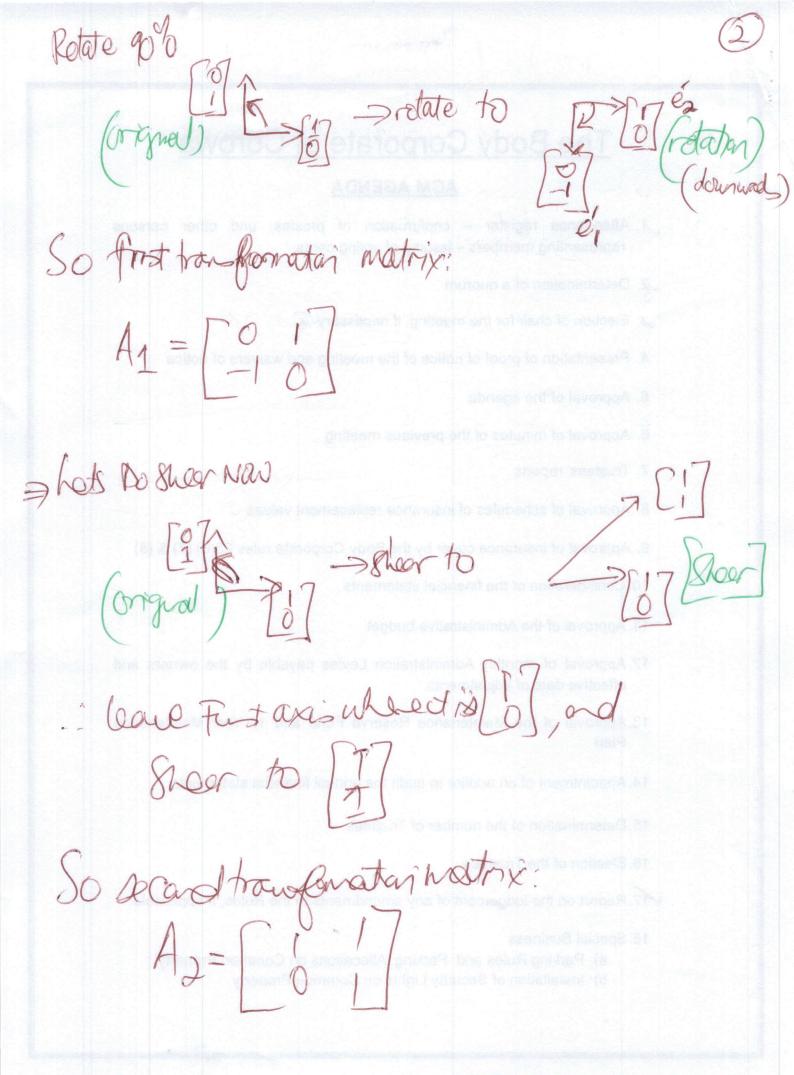
Composition or Comboration of Matrix Transformation If I went to do my find of shape altration, eg of all pixels in unage in aface, then you can make hat shape / flace change through a Combination of rotation, Shears, Stetches or inverses. Eg opply a transformation to vector 1, we can use A1, which will nake the flint of the Shape change, her apply some other transformation Az, to that (esuttent) vector. A.(Air) Done frest A, then Az



Now less do formular Az (A1r) First do é, truss Az. New Box and weeks This is how to new ours (Gensland with tector)
108 slike, a perallelogram

....

3 and Camberadan of here two vectors @ Oveall: [-1 o] = A2 A1 above steps c; same as;

[1] [0 1] = [-1 0] (rans x Columns) So inductival steps we canbened naw

First Transformation: Robotoni

Second Transformation of n transformation

toget First Bet is Az(AIr) same as Aj (Azr). Can we reverse he order. hoeison order Eleperations uniter operations

: rotate trenshear & shear Ren rotate need to be very careful with matrix muchiplication. > deep Composin Letwon Simultaneaes equatars (called matrices) and vector Cof last Session) ten at hat Solving Sun. eq. pross cappeciated how vectors one transformed by natrixs, which