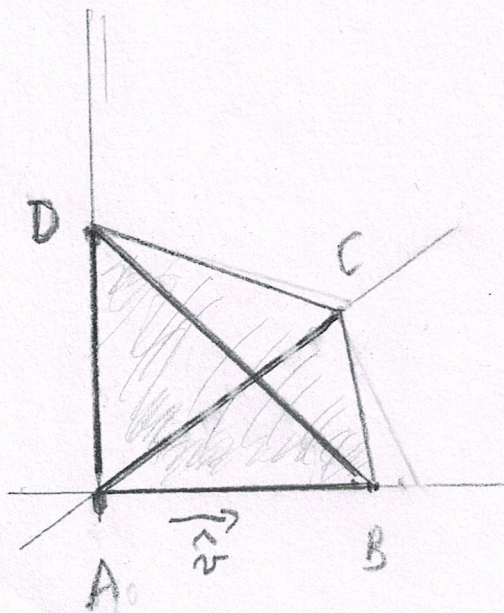
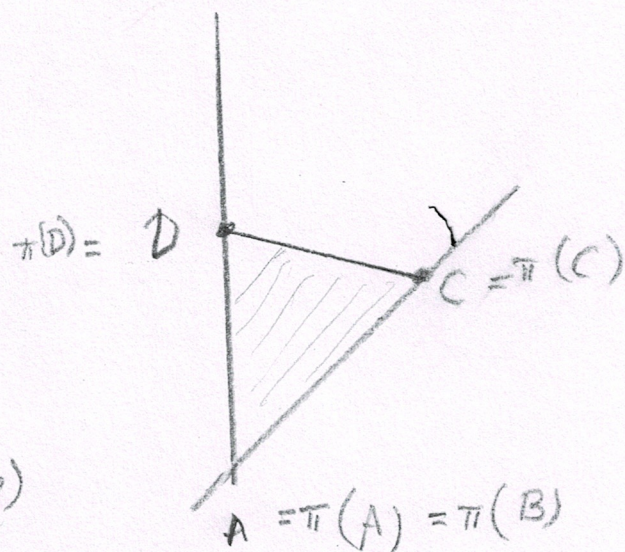




4(a)

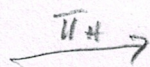


$$\pi_u = (1, 0, 0)$$

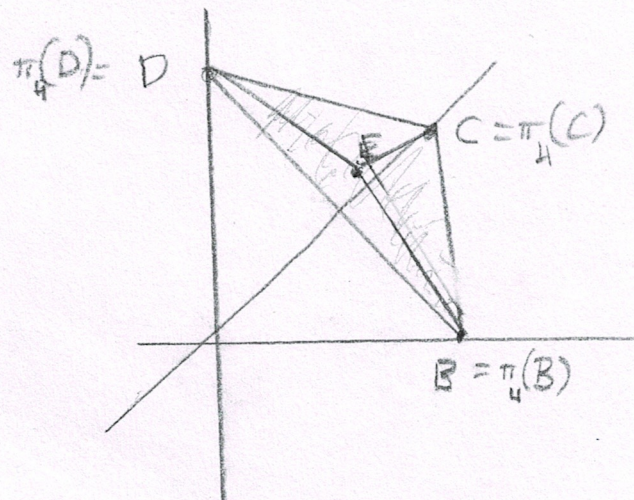


4(b)

same as above



$$\hat{u} = (1, 1, 1)$$



$$E = \pi_u(A)$$