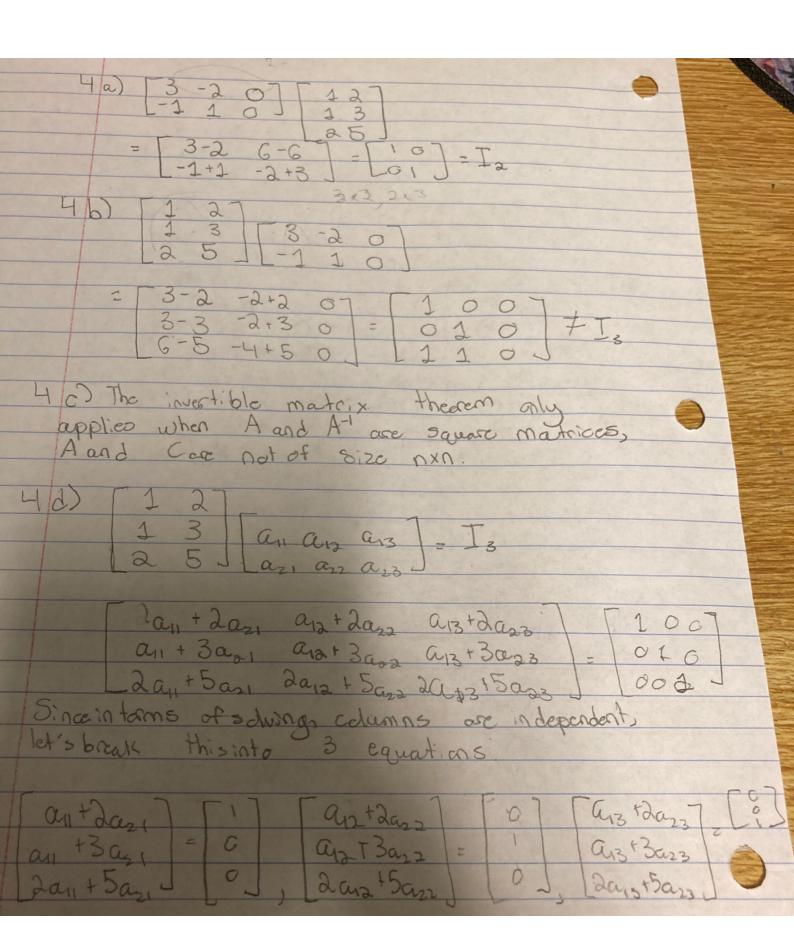
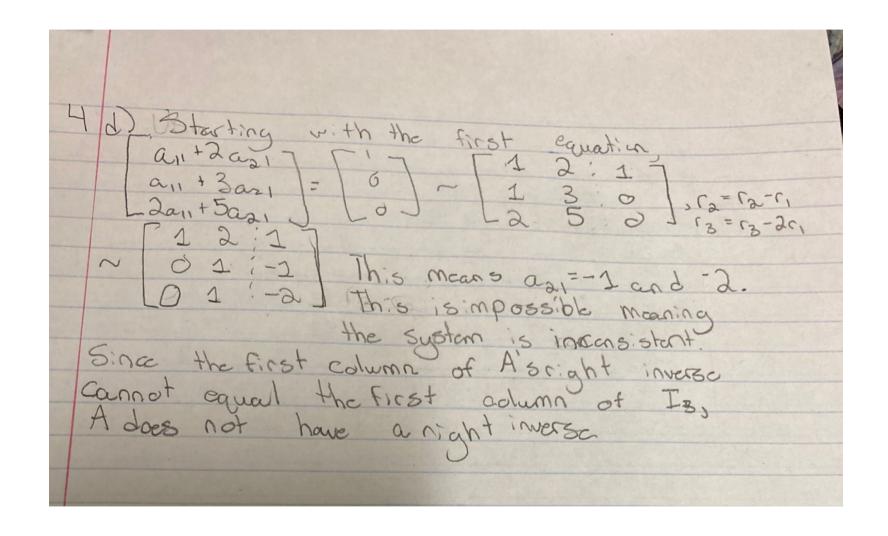
A counter example that proves This is not inear then T(cu) = ETW. 2 If TCV, tCv, TCV3) are linearly independent in IRM
then C,TCV, + C, TCV2) + C, TCV3) = 0 has only the trivial solution of Ciscosco.

By the properties of linear transformations, GTCV,)=T(C,V,), the equation above is countrois.

T(C,V,)+T(C,V,)+T(C,V,)+T(C,V,)=&. By the

property of linear transformations (X+y)=T(x)+T(y), independent. 3 a) 12" 36) Column 30) to span PM, needs a proct in every row. 3 d) M=n,





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