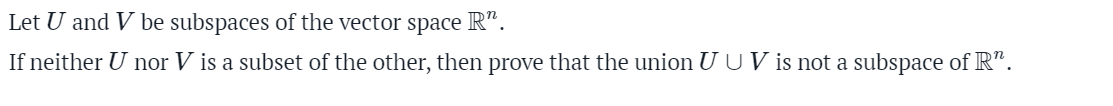
1. Let x,y both in U and V;

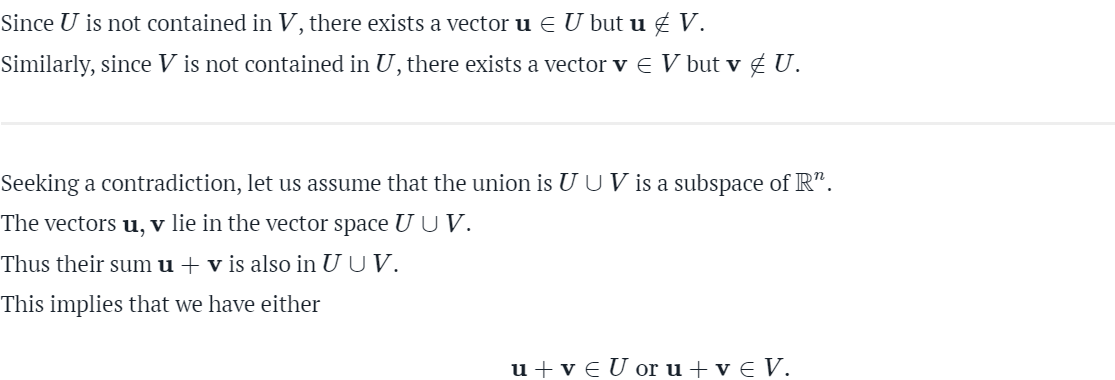
1.**0** is both in U and V;

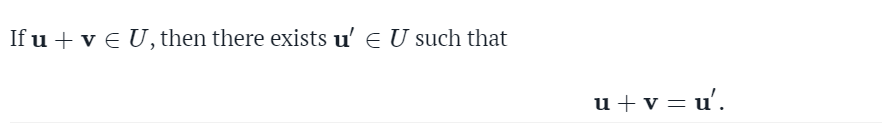
2.x+y in U; x+y in V 🡺 x+y both in U and V;

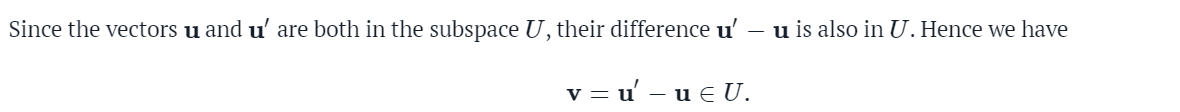
3.c is scalar in R, cx in U and cx in y ,so cx in both U and V.

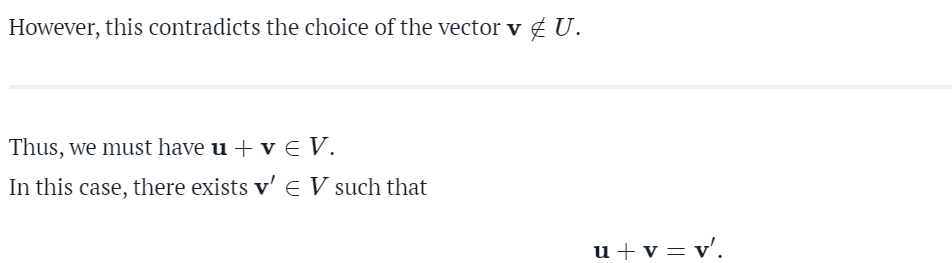
2.

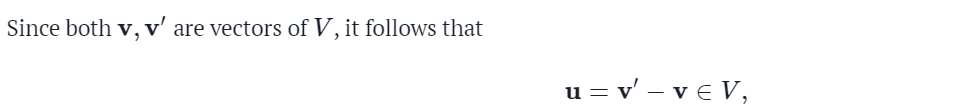


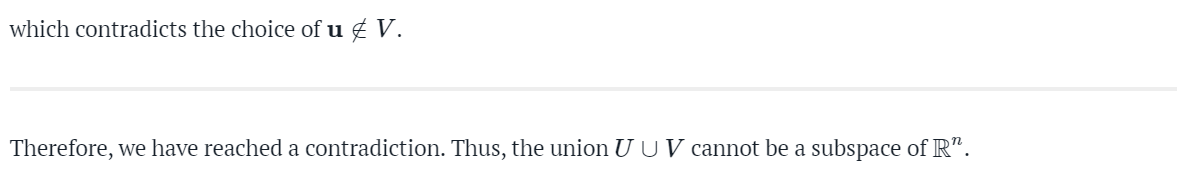


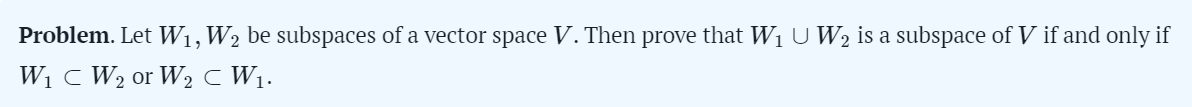




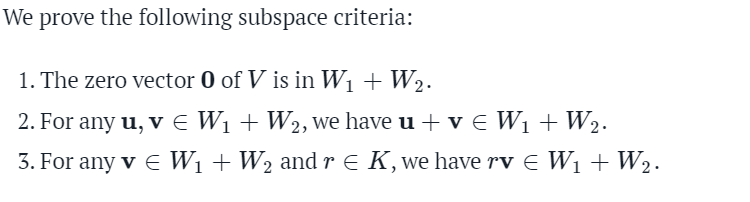


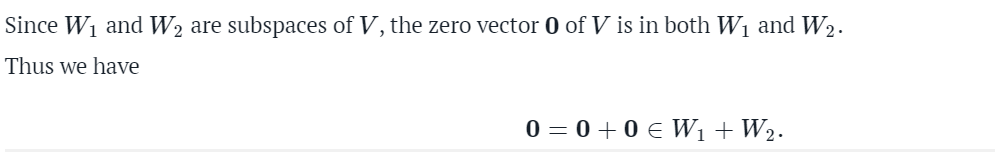


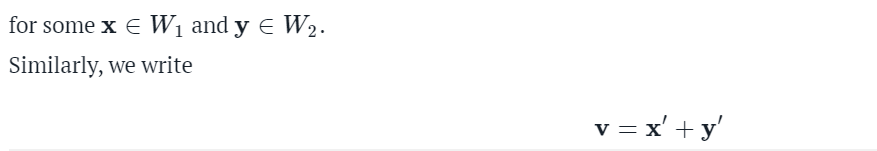


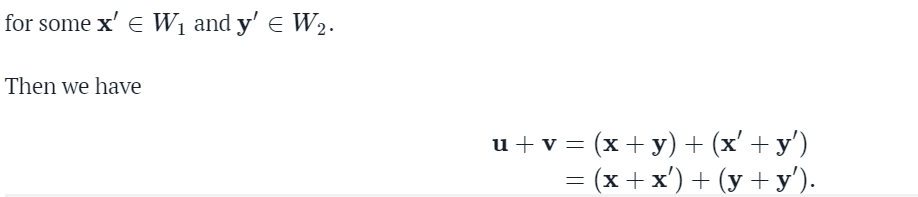


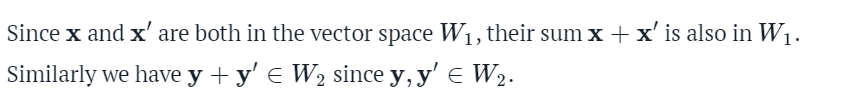
**3.**

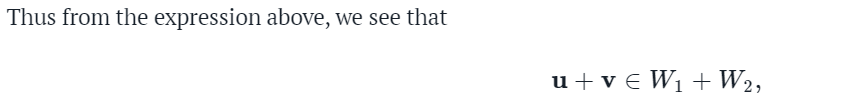


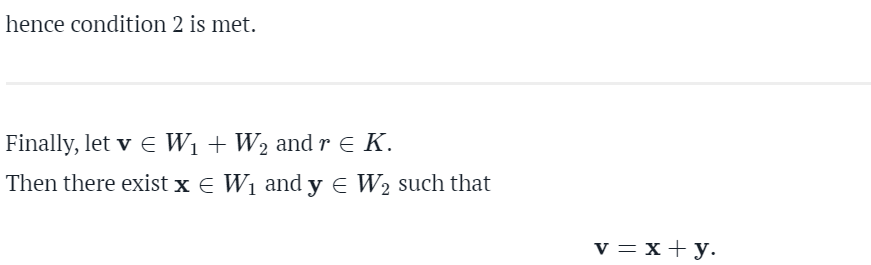
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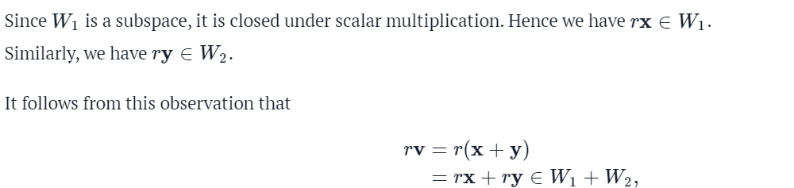
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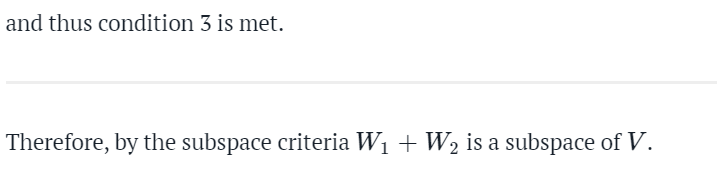
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**4.**

