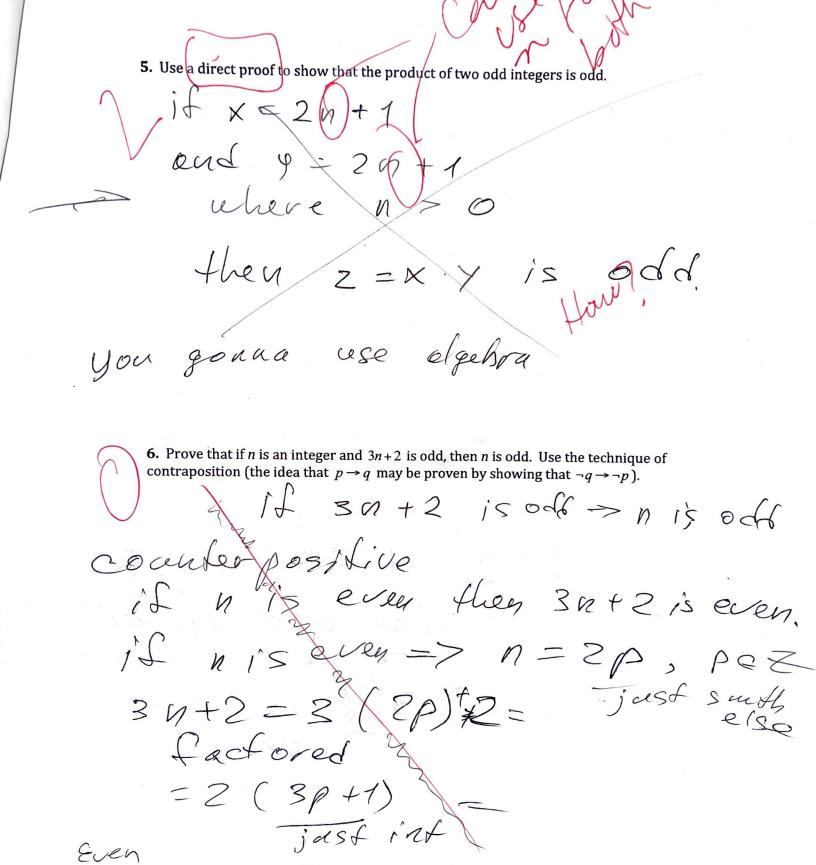


oug integers You -11 can be where words troops to the tribit The second of th celeour Here is somebody everyboby boxes J # 4 - (x, g) Momerer one loves flege's of (Somebody) samo : Ux Iy L(x,g) Ix Uy L(x,g) It is not



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6dd inf = (2p+1) (2p+1) (2g+1) gou can not use same vorrable pecause when is well-tip he thees will be one (party) has to be sistined 4PJ +29 fector & Z (2pg +p+g) in Leger

**7.** Use a Venn diagram to illustrate the relationship  $A \subseteq B$  and  $B \subseteq C$ . There is element of x inside of subset A. therefore is subset et b. and ... C. to not put dot dof will indicate proper subset. **8.** Let  $A = \{1,2,3,4,5\}$  and  $B = \{0,3,6\}$ . Find the following. Use proper set notation. a.  $A \cup B$ **b.**  $A \cap B$ 

union is collection of all elements

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A (1 B = 2 3 3 is one common 16 
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becomes = we have to do 9. Show that if A and B are sets, then  $A - B = A \cap \overline{B}$ . Show  $A - B = A \cap \overline{B}$ . Let X EA-B then X & A out X & B -> X EA and X EB > XCANB And ANBEA-R XEANB XEAXXEL ->x &B x @A-B 10. Determine whether each of the following functions is a bijection (one-to-one and onto) from R to R. Hint: a graph may be helpful. X1 = X2 f(x,) +f(x2) concepeposition **a.** f(x) = -3x + 4 $f(x, 1 = f(x) \Rightarrow x_1 = x_2$  $f(x) \rightarrow$ **b.**  $f(x) = x^2 + 1$ if is not bae to one SO 1415 No her no bijection oud not onto because nothing belowx

pes it is bijection y is rough, and lit cover all of for any choice of xo is only one to one 13) not ret painting to unface member Onto Cartion entire range (frace back it is cover all y not in exoun here y=±5x positive se ceure roof nagativook