Q(if x= y &A, xa, y &A, for any oxa > x in A)

5 5 5

5

5

5 5

555555

Marko Taleski 89201031 Home work 2 . 3 F=\{\int_{0},1\}\) is a field with a operations (\phi+\cdot)

Only if the following is true:

I) <\frac{\frac{1}{303}}{0.5}\) is a group with identity 1

-(i) - is soon closed under. (3 E (3) (3) 3 12 - (ii) - + is a ssociative 3 - (iii) - has identity 1 (1.1=1.1=01) - (iv) - has inverse (1-1=0) 13 8 8 II) < F is a group with identity O 15 15 -ti)- is closed under + S - (ii) - + is associative S 6 -(iii)-has identity 0 (0+0=0+0=0)
-(iv)- has inverse 10-0=0-0=0) \$ III) \$+,0 are \$ comutitive O+1=1+0 \$1 1.0=0.1 15 3 IV) +, o are distributive 0. (0+1) = (0.0)+(0.1)