Assignment on Modulo and Multiplicative Invense 1. -17 mod 23? Example: Complete 722 23 -171-1000 Singe In is hime and ged (73) = (mod 11) Cross verification using remainder theorem; 11 -17 = 23×(-1)+6 $\Rightarrow -17 = -23 + 6$ > -17 = -17 (proved) > = F 7 22 = 8 mod 11. 2. Multiplicative inverse of -13 upon modulo 23? =) Invense exist if ged (a,m)=1 Now we can say a.x = 1 (mod m) $-13n = 1 \pmod{23}$ Here, x is the multiplicative invense for the value of x, reminder will be one. X=X will be sofified this. 23 1-911-4