PROPERTIES OF MODULO:

* (a+b) 1. m = ((a1.m) + (b1.m)) 1. m

*(a-b) / m=(a/m)-(b/m))/m

* (a * b) / m = ((a / m) * (b/m)) / m

* (%)/m = ((a/m)*(b-1/m))/. m

* 6-1./.m > Multiplicative Modulo Inverse (MMI)

Example: (6 *y) 1.7 =1 y = MMI for 6 & y = 6 (6 * 6) 1.7 = 36.1.7 = 1 NOTE: b-1/m means that be m are co-grimes. * (a.1.m) 1. m = a.1.m * (m2 /m) = 0 + x E ZH) Extra: is not a divisor of b, then abp-1 1.p = a 1.p > FERMATIS

LITTLE THEOREM