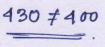
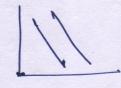
System of linear Equation 8x+8y+42=1960 =) Buyer A 12x+5y+7== 2216 =) BuyerB 12x+12y+62=2940 3x + 2y +52 = 1135 =) Buyerc Subtract from, 74-2=725 (solve the rest during linear egn is an egn in of the born, ayry + ayre + ... + anrun = 6 74, 22 are the variables. an, as are the coefficients. - A system of linear egn is the collection of more linear egn with same set of variables. The sold is the group of values to the variables such that all the egn are simultaneously satisfied... System of linear egn is equivalent to a matrix egn of form Aix = b = sysh = sysh = sysh E column matrix There are 3-possibilities for the soln of - 00 solm _ 1 unique soln LHS = RHS radio no soln - 01 solm =) 2x+4y = 500 215 471 + 24 = Sotto 430 both the equan represent the same straight line in 12

-no soln =)
$$(2x+y=215)x2$$

 $4x+2y=400$





both the eqn have parallel line

- unique sol
$$n = 2x + y = 9 + 1 + \dots$$

$$3x + y = 5 + 1 + \dots$$

