Three coins are tossed, the probability that two heads and one tail are obtained. Three Coins - HHH MHT -> C2 Heads One Tail) HTH THH TTT Total 8 possibilities. (1) 11 dry. Q2) Two Dice are volled, find the prop, that sum (i) Equal to (1) less than or equal to 4 (iii) sum in divisible by 2 and 3

+ There is O prob. One (i) Egnal to Because than or equal to 97 (1,3), (3,1), (2,2), MAM, (12) Ersdwoll W

(iii) Sum in divisible by 2 and 3 + [(1,5), (5,1) (6,6), (0089, (4,2), (4,2), (3,3), 5 - 6 -> (1) 11 Amy (3) A bag contains 2 red & 3 green and 2 blue balls, Two balls are drawn at random.

What in the prob. that none in the. Any Total Bally - 7 balls - 1 to 2 1 16 = Ex 15 12 4 25 + 25+ * 70, 1218 Total Outcomer) Prob. None in Blue + 5C2 > 5x4=10 2) (10), Any)

Oh) Calc the expected number of candier for a randomly selected child + Any Expected no of candier for a random child -1 1 0.015 + 4 × 0.20+3 × 0.65 + 0.005\$5+6 0.01+2 0.12 3.090 3.09)4 Any (1) Ob) Calculate Expected Value -> Mean = 108+110+123+134+135+145+167 +) [145.3]. Am,

in unisredirected. Any) one in 200 long distance ju misdirected, - (P) of call misdirecting - (1). Prob. of call not misredirecting - (199) No. of call = 5 $P(x) = {}^{n}C_{x} P^{x} q^{n-x}$ (100) 1 de = = 19(0) de et sutron en 27 (1) = 1- °C (1/200) (199/200) 13 miles = 1- (199) 5 miles and a halle (i) = [0.02475], Aly

