- 1) Let A and B denote bets containing
 3 and 5 elements respectively. Let
 4 tenote a function from A to B.

 The probability of F being one-to-one is?
- 2) The probability of getting a "tail" in a single toss of a biased coin is 0.2. a single toss of a biased coin is 0.2. If the coin is tossed repeatedly until a "head" is obtained, given that the tosses are independent, find the probability of getting "head" for the probability of getting "head" for the first time in 7th toss.
- Set $A = \{2, 7, 10, 15\}$ Set $B = \{5, 9, 6, 1\}$ Two numbers are chosen at random, one from each set. What is the probability one from each set. What is the probability that their sum is 16.
- 4) A fair die is rolled boice. If the first roll shows a "3", what is the probability that total own from the probability that total own for be 8.

 The boo rolls will be 8.

- 5) A bowl contains 8 red balls, Le green bell and eight & yellow balls. All of these bally are identical except for their color. A ball is drawn at random on from the bowl and it is not a red ball. Find the probability of it being a green ball.
- 6) A batsman for a cricket team has a good game with probability 0.6 and a bad game with 0.4. When he has a good game, he scores at least 50 runs with a probability of 0.5; and when he has a bad game, he scores at least 50 runs caith a probability of 0.2. Given that he scored 62 runs in a particular game, what is the probability that he had a good game?
- tent have see Y and Y are such that 11.00 P[x Ny] = 20.15 P[XUY] = 0.65 2.0 = [XIY] = 0.5 Find PTYIXI'S a sub ring A

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- 9) Extent the probability that a given positive integer bying between 1 and 100 (both inclusive) is not divisible by 2,3 or 5 is?

 In ?

 The probability that a k digit number does not contain the digits 0,3027 is?