## Please write Your name:

You may leave your answer in terms of sums, products, factorials or binomial coefficients, and fractions. There is NO need to simplify. NO calculators are needed.

(1) What is the probability that if we roll 2 dice, the sum is 3?

(2) What is the probability that if we roll 2 dice, the sum is 5?

(3) What is the probability that if we roll 3 dice, the sum is 18?