1. The probability to have sum of points equals to 1 will be 0, because we can’t have 0 points on the dice, so the minimum sum is 2
2. Probability to have sum equals to 2 is:

P(1 on first dice) and P(1 on second dice)

1. Probability to have sum equals to 6 is:

P(1, 5) or P(2,4) or P(3,3) or P(4, 2) or P(5, 1)

1. Probability to have sum equals to 7 is:

P(1, 6) or P(2,5) or P(3,4) or P(4, 3) or P(5, 2) or P(6, 1)

1. Probability to have sum equals to 8 is:

P(2, 6) or P(3, 5) or P(4, 4) or P(5, 3) or P(6, 2)

1. Probability to have sum equals to 12 is:

P(6) and P(6)