Probability Assignment:

1. Two dies are rolled at once. Find out the probability for sum of numbers being even and one of the die shows  6.

Ans: the two events are independent events

P(A,B) = P(A n B) = P(A) \* P(B)

18/36\*1/2

¼

1. 5/12
2. ½
3. P(rain) = 1/3

P (traffic/rain) = x = ½

P(traffic/without rain) = y = ¼

P(late/x) =1/2

P(late) = 1/8

P(late/y) = ¼

P(late/rain) = ¼

1. ¾
2. 1//8
3. 1/8
5. 2/3
6. 2/9
7. 0.9

11) 5/54

12) 2/15