**Statistical mathematics - Assignment 5**

1. P =

Net win = 2.44 – 4 = -1.56

1. Poisson distribution:
2. 0.07208
3. 0.18957
4. 0.24928
5. 0.21854
6. 0.14369
7. 0.12685
8. a) 35% = => 1 report of failure of employees to follow instructions per 3.

b) P= p + (1−p)p + (1−p)2p = 0.725375

1. a) 0.23060 x 0.49659 = 0.11451

b) 0.26518 x 0.49659 = 0.13169

c) 0.26518 x 0.34761 = 0.09218

d) Multiply the two formulae

1. Binominal distribution:
2. 0.07776
3. 0.68256
4. 0.2304