Formula Sheet

Chapter 1:

Mean -

Variance -

Standard Deviation -

Chapter 2:

Union -

Intersection -

Compliment -

Permutation -

Combination -

Conditional Probability -

Independent Events –

Multiplicative Law -

Additive Law -

Probability of An Event -

Bayes’ Rule -

Chapter 3:

Probability Distribution -

Discrete Random Variable -

Variance -

Binominal Distribution -

Geometric Distribution -

Negative Binomial Distribution -

Hypergeometric Distribution -

Poisson Distribution -

Tchebysheff Theorem -

Chapter 4

Distribution Function -

Density Function -

Expected -

Uniform Distribution –

Calculating Probabilities

Expected -

Variance -

Double Integrals -