Formula Sheet Project 2

**Poisson Distribution**

**Continuous Random Variable**

E[X]=

Var(X)=

**Uniform Distribution**

E[X]=

Var(X)=

**Gamma Distribution**

E[X]=

Var(X)=

**ChebShev’s (Tchebysheff’s Theorem)**

E[X]=

Var(X)=

**Expectation of discontinuous/ mixed random variables**

**Bivariate/Multivariate**

**Var(X)=**

**Marginal and Conditional**

**E[Y|X=x]=**

**Var(Y|X=x)=**

**Independent Random Variables**