\* Assignment 1.

1. Let X and Y be random variables such that E(x) = 5.

Var(X)=1, E(Y)=3, Var(Y)=4 and Corr(X,Y)=0.5. Find:

(a)  $Covr(X,Y)=\frac{1}{5}$   $Corr(X,Y)=\frac{1}{5}$   $Covr(X,Y)=\frac{1}{5}$ (b).  $Covr(X,Y)=\frac{1}{5}$   $Covr(X,Y)=\frac$