

1. Find P(X<.25,Y>.5) (3 pts.)
2. Find the joint CDF *F(x,y)* (5 pts.)
3. Find the marginal pdf,. (3 pts.)
4. Find the marginal CDFs, and . (4 pts.)
5. Find the conditional density of X given Y, . (3 pts.)
6. Find P(X<.5|Y=) (3 pts.)
7. Find E(X) (2 pts.)
8. Find E(Y) (2 pts.)
9. Find Var(X) (3 pts.)
10. Find Var(Y) and Var(10Y + 6) (4 pts.)
11. Find Cov(X,Y) (3 pts.)
12. Find the distribution of W = Y2. (3 pts.)
13. Find the E(2Y – 3X + 6) (2 pts.)

n) Find V(2Y – 3X + 6) (4 pts.)