

%% Problem 7

```
subplot(2,2,1)
```

```
X=1:10; Y=geopdf(X,0.5); bar(X,Y,0.8);  
legend('Geometric Distribution: p=0.5',1)
```

```
subplot(2,2,2)
```

```
X=0:10; Y=binopdf(X,10,0.6); bar(X,Y,0.8)  
legend('X ~ b(10,0.6), mode=6',1)
```

```
subplot(2,2,3)
```

```
X=0:10; Y=poisspdf(X,4); bar(X,Y,0.8)  
legend('Poisson Distribution:  $\lambda=4$ ',1)
```

```
subplot(2,2,4)
```

```
X=0:11; Y=binopdf(X,11,0.5); bar(X,Y,0.8)  
legend('X ~ b(11,0.5), mode=5,6',2)
```

