1. Rentals: $1550, $1700, $900, $850, $1000, $950.

- Mean = Sum($1550, $1700, $900, $850, $1000, $950)/6 = $1158.33
- Standard Deviation=sqrt(((1550-1158.333)^2+(1700-1158.333)^2+(900-1158.333)^2+(850-1158.333)^2+(1000-1158.333)^2+(950-1158.333)^2)/6)=$335.93

2. Tree heights in California: 3, 21, 98, 203, 17, 9

- Mean = Sum(3, 21, 98, 203, 17, 9)/6 = 58.5
- Variance = ((3-58.5)^2+(21-58.5)^2+(98-58.5)^2+(203-58.5)^2+(17-58.5)^2+(9-58.5)^2)/6= 5183.25

3. In a class of 100 students, 80 students passed in all subjects, 10 failed in one subject, 7 failed in two subjects and 3 failed in three subjects.

$F_x(0) = P(X=0) = 80/100 = 0.8$

$F_x(1) = P(X=1) = 10/100 = 0.1$

$F_x(2) = P(X=2) = 7/100 = 0.07$

$F_x(3) = P(X=3) = 3/100 = 0.03$