1. For the data set compute the following.

X	1	2	5	6	9
frequency	5	7	1	5	6

mean = 4.5

median = 3.5

mode = 2

population standard deviation = 3.14907

population varience = 9.916641865

sample standard deviation = 3.2168037

2. Find the probability of the event E if the odds in favor of E are 7 to 31.

$$\frac{7}{31+7} = \frac{7}{38}$$

3. Find the odds in favor of E if the $P(E) = 0.15$

$$\frac{.15}{.85} = \frac{3}{17}$$

Answer: 3 to 17