2. In a fantasy world, there is a region called Durotar, where about 68 percent of the denizens are orcs.

   (a) If we happen upon a group of 7 denizens, what is the probability that the number of orcs is at least 2 and less than 5.

   (b) If we happen upon a group of 9 denizens, build range-rule-of-thumb interval, $\mu \pm 2\sigma$, for the number of orcs.