

**Name:** ----- **ID:** -----

**Q.** (2+3 =5 points) A poll of 8 voters is taken in a large city to determine  $X$ , the number in favor of candidate A. Suppose that 65 per cent of all the city's voters favor this candidate.

1. What is the probability that at least two of selected voters is in favor of A?
2. What is the expectation and standard deviation of the number of voters selected in favor of A?