An archer hits a bull's-eye with a probability of 0.09, and the results of different attempts can be taken to be independent of each other. If the archer shoots nine arrows, calculate the probability that:

(a) Exactly two arrows score bull's-eyes.

(b) At least two arrows score bull's-eyes.

(c) What is the expected number of bull's-eyes scored?

(d) What is the variance and standard deviation of bull's-eyes scored?