



BE the popcorn machine

Your job is to play like you're the popcorn machine and say what the probability is of you malfunctioning a particular number of times next week.

Remember, the mean number of times you break down in a week is 3.4.

1. What's the probability of the machine not malfunctioning next week?
2. What's the probability of the machine malfunctioning three times next week?
3. What's the expectation and variance of the machine malfunctions?