6C Cumulative Probabilities on The Binomial Distribution

1. The random variable $X \sim B(20,0.4)$. Find:
a) $P(X \leq 7)$
b) $P(X<6)$
c) $P(X \geq 15)$
2. A spinner is designed so that the probability it lands on red is 0.3 . Jane has 12 spins. Find the probability that Jane obtains:
a) No more than 2 reds
b) At least 5 reds
3. Jane decides to use this spinner for a class competition. She wants the probability of winning a prize to be less than 0.05 . Each member of the class has 12 spins and the number of reds is recorded.

Find how many reds should be needed to win a prize

