Classwork

An office has four copying machines, and the random variable X measures how many of them are in use at a particular moment in time. Suppose that
$P(X = 0) = 0.08$, $P(X = 1) = 0.11$, $P(X = 2) = 0.27$, and $P(X = 3) = 0.33$.
(a) What is $P(X = 4)$?
(b) Draw a line graph of the probability mass function.
(c) Construct and plot the cumulative distribution function.