Q1 (a)
E(X)=1
$$\div$$
 (1/3)=3

We know that $X \sim GEO(p)$

Specifically, p=1/3

 \therefore The answer is 3

(b)
$$E(X)=1 \div (1/N)=N$$

Specifically, p=1/N

 \therefore The answer is N