	geometric	exponential	posion
definite	$P(X=k)=(1-p)^{k-1}p$	$P(X>x)=e^{-\lambda x}$	$P(X=k)=\frac{e^{-\lambda}\lambda^k}{k!}$ $P(X(t)=k)=\frac{e^{-\lambda t}(\lambda t)^k}{k!}$
$E(X)$	$E(X)=\frac{1}{p}$	$E(X)=\frac{1}{\lambda}$	$E(X)=\lambda t$
pdf		$f_X(x)=\begin{cases}\lambda e^{-\lambda x}, & x>0\\ 0, & x\le 0\end{cases}$	