## Discrete Random Variables

$$
P(X=x)=\frac{x}{10}
$$

$$
\begin{gathered}
\operatorname{Var}(X)=E\left(X^{2}\right)-(E(X))^{2} \\
\operatorname{Var}(5 \mathrm{X})=\operatorname{Var}(X) \times 5^{2}
\end{gathered}
$$

# $F(X)$ is a cumulative distribution 

