Massachusetts Institute of Technology
Department of Electrical Engineering \& Computer Science
6.041/6.431: Probabilistic Systems Analysis
(Spring 2006)

## Recitation 11

April 4, 2006
1.

$$
\begin{gathered}
\mathbf{E}[X]=\frac{k}{2} . \\
\operatorname{var}(X)=\frac{k}{6}+\frac{k^{2}}{12} .
\end{gathered}
$$

2. 

$$
\mathbf{E}[D]=N-N e^{-\frac{\lambda}{N}} .
$$

