## 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.

$$\mathbf{E}[X] = \frac{k}{2}.$$

$$\operatorname{var}(X) = \frac{k}{6} + \frac{k^2}{12}.$$

2.

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