

CS 333202: Probability and Statistics
HW8 Part I

1. $\frac{2}{5}$

2. 2.

3. Let F be the distribution function of Y .

$$f(y) = F'(y) = \begin{cases} \frac{1}{y^2} & y > 1 \\ 0 & \text{elsewhere} \end{cases}$$