CSE/EE 485
Assignment Two
Due 29 September 2005

(Problems 1-4) Exercises 3.3, 3.7, 3.9, and 3.20 in Gonzalez and Woods. Hint on Problem 3.7. To find the distribution for this problem, let \( r \in [0, L - 1] \). Then let

\[
M = \int_0^{L-1} p_r(r) \, dr
\]

be a normalization constant. This allows you to define a distribution that integrates to 1 over the bounded domain for \( r \).