ECE 341 - Homework #6
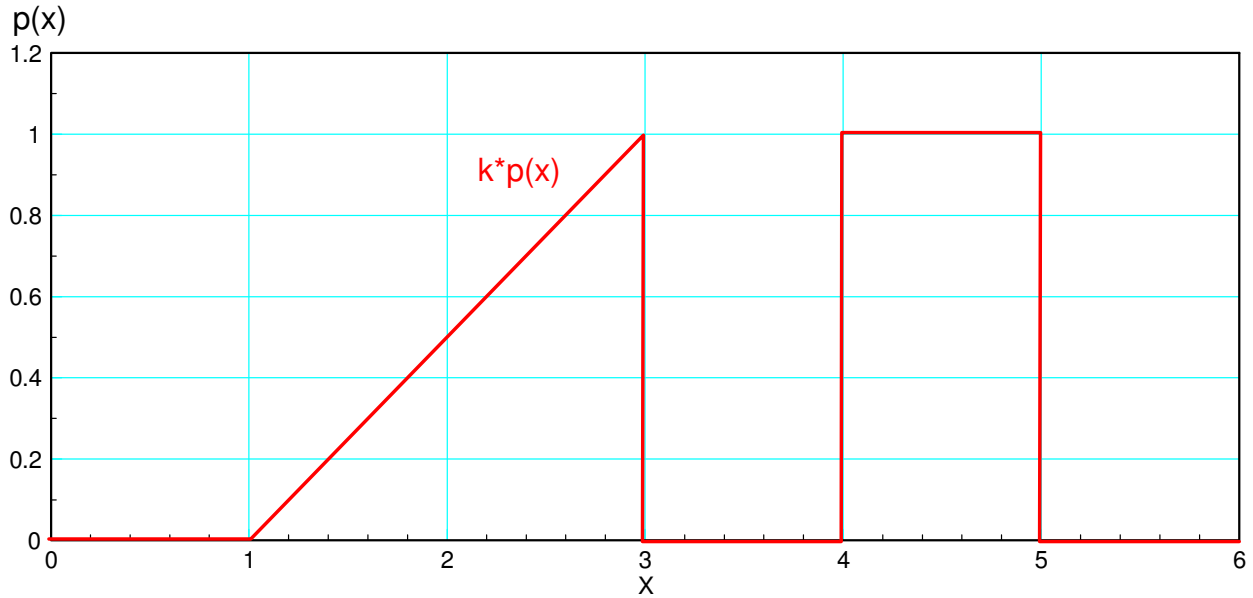
LaPlace Transforms, Continuous Probability Density Functions. Due Thursday, May 27th

1) Determine the scalar so that the above function is a valid pdf (i.e. the total area is 1.000)

p(x)

2) Determine the corresponding cdf

3) Using Matlab, find 20 random values of x for the above pdf

4) Find the moment generating function for p(x)