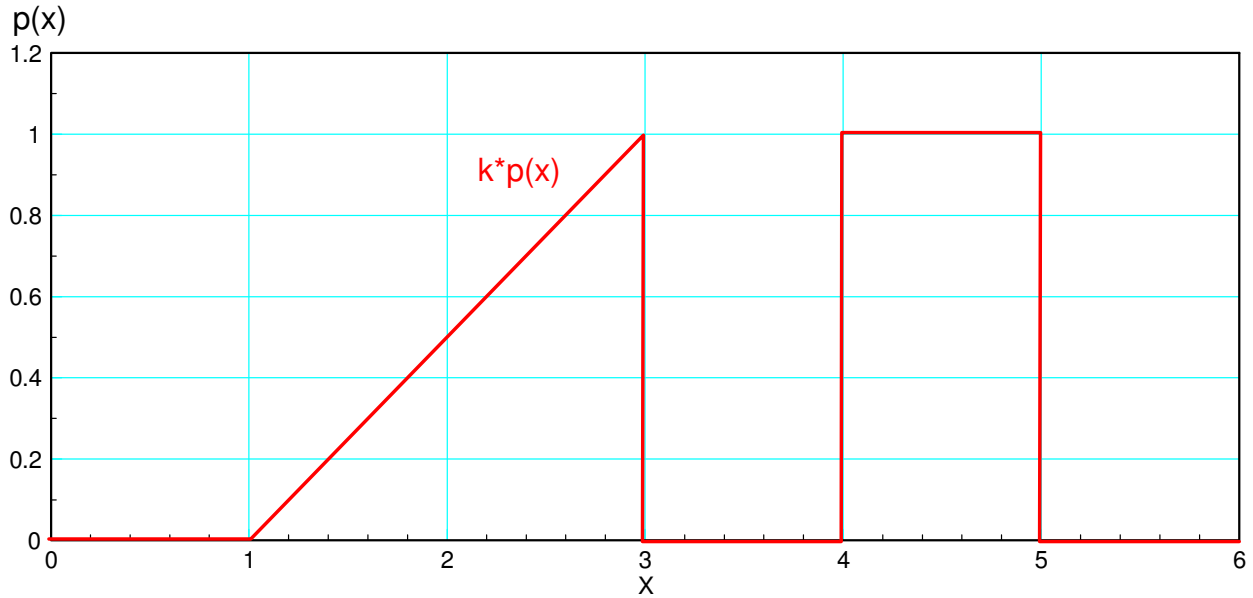


ECE 341 - Homework #6

LaPlace Transforms, Continuous Probability Density Functions. Due Thursday, May 27th

Please make the subject "ECE 341 HW#5" if submitting homework electronically to Jacob_Glower@yahoo.com (or on blackboard)

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



- 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 $p(x)$