

# Indian Institute of Science

E9-252: Mathematical Methods and Techniques in Signal Processing

Instructor: Shayan G. Srinivasa

Home Work #3, Fall 2014

Late submission policy: Points scored = Correct points scored  $\times e^{-d}$ ,  $d = \#$  days late

**Assigned date:** Oct 3<sup>rd</sup> 2014

**Due date:** Oct 9<sup>th</sup> 2014 in class

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PROBLEM 1: Solve problems 5.1, 5.2, 5.11, 5.16 and 5.20 from the text by P. P. Vaidyanathan. Turn in problems 5.16 and 5.20 for grading.

Extra credit: Solving problem 5.13 and turning it for grading fetches 20 points extra credit. (50 pts.)