

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
Department of Electrical Engineering and Computer Science  
Department of Aeronautics and Astronautics

6.263/16.37  
Problem Set No.9

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**Problem 1: text problem 5.1**

**Problem 2: text problem 5.2**

**Problem 3: text problem 5.3**

(Hint: Use the approximation  $\log(1 - p) \approx -p$  for small  $p$ .)

**Problem 4: text problem 5.4**

**Problem 5: text problem 5.17**