

PH689-01 – Fall 2006  
Statistical methods for physics and astrophysics  
Assignment #4 – Thursday, Sept. 7, 2006

1. Problem 2.12 from Bevington, Second Edition.
2. The frequency of twins in European population is about 12 in every 1,000 maternities. What is the probability that there are no twins in 200 births, using (a) the binomial distribution, and (b) the Poisson approximation?