

Homework 7. Math 483

Due October 29, 2009

Problems from the Book:

Section 4.2: 1, 4

Section 4.3: 2, 7, 10

Section 4.4: 2, 10, 11

Problem A

In a statistical estimation problem, angle Θ is estimated as approximately normal, with mean 0.85 and st.dev. 0.08 (in radians). Use the Δ -method to find the approximate distribution of $X = 100 \cos \Theta$.