Copying answers and steps is strictly forbidden. Same instructions as Mission1. Do not fold. Thanks!

Problem 51 Your signature below indicates you have:

       (a.) I have read Chapter 5 of Gamelin: _____ .

       (b.) I have read Cook's Guide to Chapter 5:_____ .

Problem 52 $\S V.2 \# 3$ (page 137), on uniform convergence

Problem 53 $\S V.3 \# 2c,\ 2d,\ 2e$ (page 143), domain of convergence for given power series

Problem 54 $\S V.4 \# 1a,\ 1b,\ 1c$ (page 147), find radius of convergence about given center

Problem 55 $\S V.4 \# 3$ (page 147), expansion of Log and a bit about analytic continuation

Problem 56 $\S V.4 \# 7$ (page 147), power series expansion of principal branch of tangent

Problem 57 $\S V.4 \# 10$ (page 148), binomial series extension to complex exponent

Problem 58 $\S V.5 \# 1$ (page 151), expansion about ∞

Problem 59 $\S V.6 \# 2$ (page 153), series calculation

Problem 60 $\S V.6 \# 3$ (page 153), series calculation