

Homework Assignment for Week 03

1. Section 9.5: Problems 4, 8, 7, 9, 24, 25, 33, 35, 37, 43, 45, 47.
2. Section 9.6: Problems 11, 15, 21, 23, 27, 28, 35, 39, 41, 44, 47.
3. (s9.6-extra1)

Find a power series whose interval of convergence is $[1, 3)$. Do the same for $(1, 3)$, $[1, 3]$ and $(1, 3]$, respectively.