MAT 321 Homework 2
Spring 2024

Due date: Wednesday, Feb 7

1. Problems in the text, pages 193-195: 8,9.
2. (Inverse Z-transform, section 8) Use a reson filter with pole angle $\theta = \pi/8$ and pole radius $R = 0.99$. Use input unit step signal and compute the output signal values y_0, y_1, and y_2 by each of the three methods in the text. You may round the transfer function coefficients to 2 decimal places.