CSE 3313 - Homework #5 – z-transforms 1

Find the z-transform polynomial ratio and ROC for the following unit sample sequences:

1. Which of the systems above has a Fourier Transform that exists?

Find the inverse z-transform of the following z-transforms:

1. Which of the systems above has a Fourier Transform that exists?

Find the poles and zeros of the following z-transform polynomial ratios:

Find the z-transform and ROC (region of convergence) of the following unit sample sequences:

1. Which of the systems above has a Fourier Transform that exists?