1. Let \( G(z) = \frac{0.787z}{(z-1)(z-0.6065)} \)

Find \( S \) and \( W_n \) of the system for \( k = 1 \).

2. For the system shown in Figure 1, find \( k \) for \( e_{st} \) to unit ramp to be \( \leq 1% \).

3. Find \( \frac{C(z)}{R(z)} \) using SFG.