ECE 311 - Homework #18

Actve Filters

1a) Give the trasnfer function for a 5th-order Butterworth low-pass filter which passes frequencies below 10Hz.

1b) Design a circuit to implement this filter.

2a) Give the trasnfer function for a 5th-order type-1 Chebychev low-pass filter with a ripple of 0.2 and a corner frequency of 10Hz.

2b) Design a circuit to implement this filter.