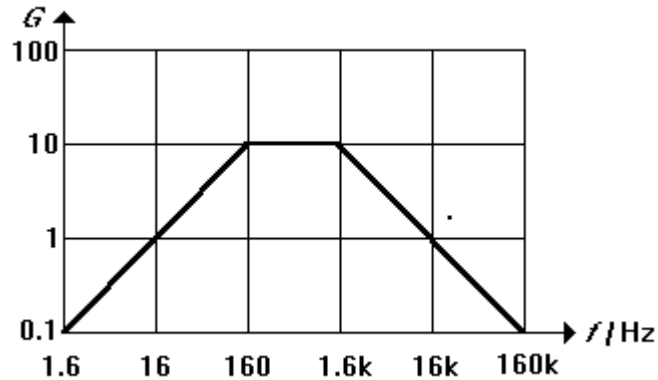


## Notch filter design

You are going to design a notch filter system which has the gain-frequency plot shown below



1. Design a bass cut filter with a high frequency gain of 5 and a break frequency of 160 Hz.
2. Assemble your circuit. Test its performance with a signal generator and a CRO.
3. Design a treble cut filter with a low frequency gain of 2 and a break frequency of 1.6 kHz.
4. Assemble your circuit. Test its performance with a signal generator and a CRO.
5. Feed the output of the bass cut filter into the treble cut filter to make the notch filter. Use a signal generator and a CRO to draw a gain-frequency plot for the filter.