

EE320 quiz - week 4

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Name _____

You are still working for the Big Sound Company. They need a cheap mixer with the following specs:

1. Unity gain, when the fader is set for 12 dB loss.
2. Only one op-amp.
3. The faders are 10k, and require a 22k load.
4. Four inputs, all unbalanced, driving the fader directly.
5. DC coupled. (no coupling capacitors)

This means your amplifier will need 12 dB gain.

Design the mixer.