İ	Test Problems: 2.10	12.18	2.23a	only do	a).
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## Problem A

- Design or non-inverting amplifier using an "ideal"

  Op-amp. The total resistance used must not

  exceed 40kΩ and the gain (IAm) = 20)
- 2. Repeat (1) for an inverting stage.

## Problem B

1. an op-amp has the following open-loop gain

Aor (jw) = Aor (o) where Aor (o) = 2×10 and we = 60 res/s

For the amplefier in AI, what is the bandwedth?

2. Iwo identical stages described above are cascaded. What is the new gain-bandwidth product of the cascade? What is the amplifier's bandwidth?