

**Concept Question 4-12:** What type of op-amp circuits (inverting, noninverting, and others) might one use to perform the operation  $v_o = G_1 v_1 + G_2 v_2$  with  $G_1$  and  $G_2$  both positive?

- Noninverting summer
- Inverting summer followed by an inverting amplifier
- Two inverting amplifiers followed by an inverting summer