

$$VO = -(RX(V1/R1+V2/R2+...+VN/RN))$$

$$R = RX = R1 = R2 = ... = RN$$

$$VO = -((RX/R)(V1+V2+V3))$$

$$VO = -((500R/500R)(1V+2V+3V)) = -(1.6V) = -6V$$

$$VO = -((500R/500R)(-1V-2V-3V)) = -(1(-6V)) = 6V$$

