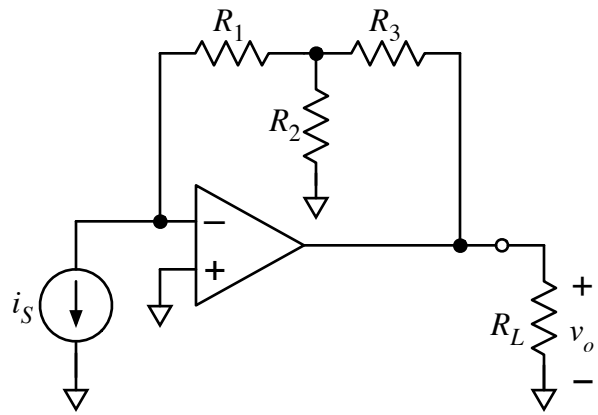For the circuit shown at right, calculate an expression for the output voltage in term of the current source and the resistors.

$v_o =$ _____ .

If $i_S = 0.5$ mA, $R_1 = 3.3$ kΩ, $R_2 = 1$ kΩ, $R_3 = 2.2$ kΩ, and $R_L = 1$ kΩ, use your expression to calculate the value of the output voltage.

$v_o =$ _____ .

Write your answers — and whatever work will fit — on this sheet. Staple any sheets with additional work behind.