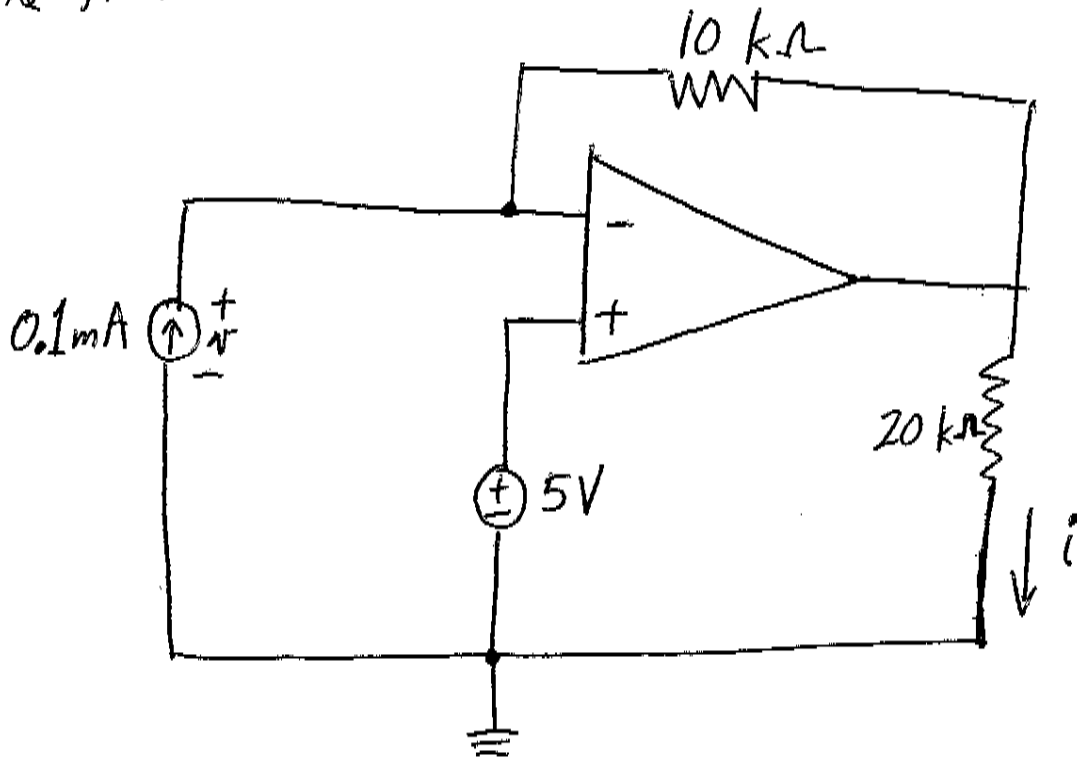**(12.13)** Find v and i for the circuit shown. Assume an ideal op amp. Please show how you arrived at your answer, and why the final answer is a positive or negative.

V =

a) −5V

b) −4V

c) +4V

d) +5V

i =

a) −0.25 ma

b) −0.2 ma

c) +0.1 ma

d) +0.2 ma