What is the range of input voltages $v_i$ for which the output, $v_o$, is linearly related to the input?

A  $-.5 < v_i < .5$

B  $0 < v_i < 1$

C  $-1 < v_i < 1$

D  $-10 < v_i < 10$

E  $-2 < v_i < 2$
The two stages can be treated totally independently due to the high input resistance and low output resistance. Both stages are non-inverting amplifiers, the first with a gain of $25/5=5$ and the second with a gain of $2/1 = 2$, so the total gain is 10. Thus the input must stay between + and -1 volt to keep the second stage from railing.