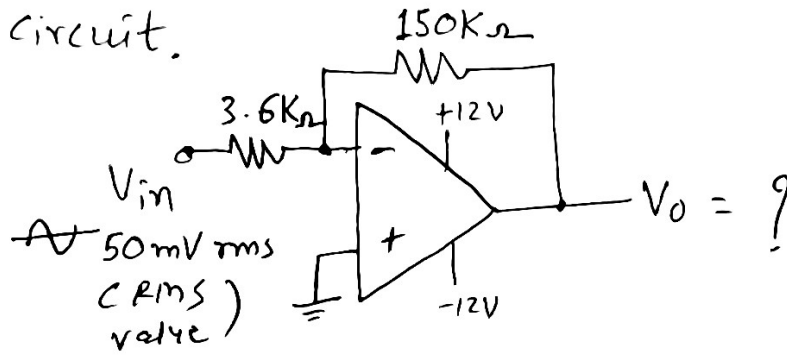
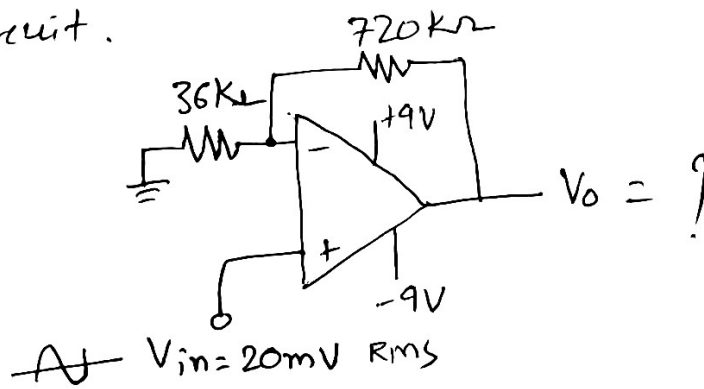


## Opamp based assignment

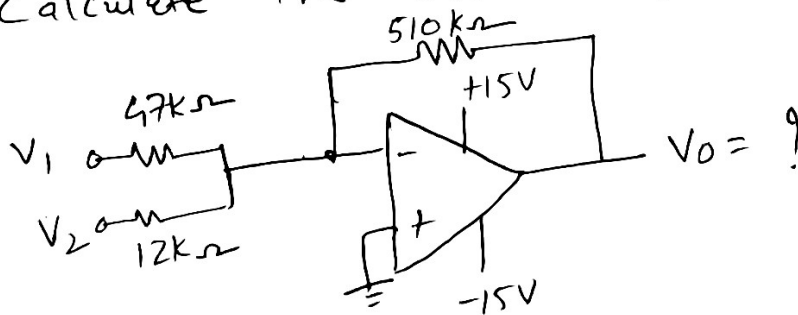
Q-1 Calculate the output voltage for the following circuit.



Q-2 Calculate the output voltage for the following circuit.

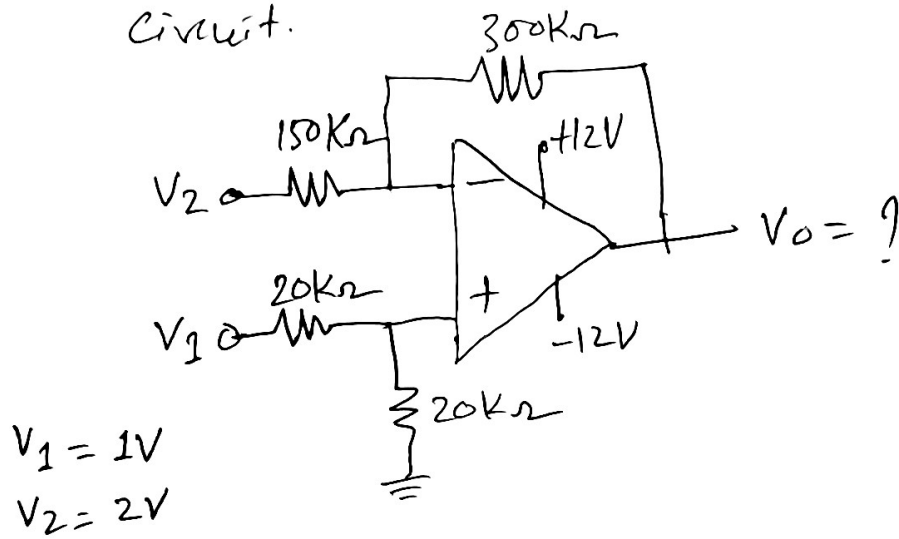


Q-3 Calculate the output voltage for the following circuit. Take  $V_1 = 40mV$   
 $V_2 = 20mV$

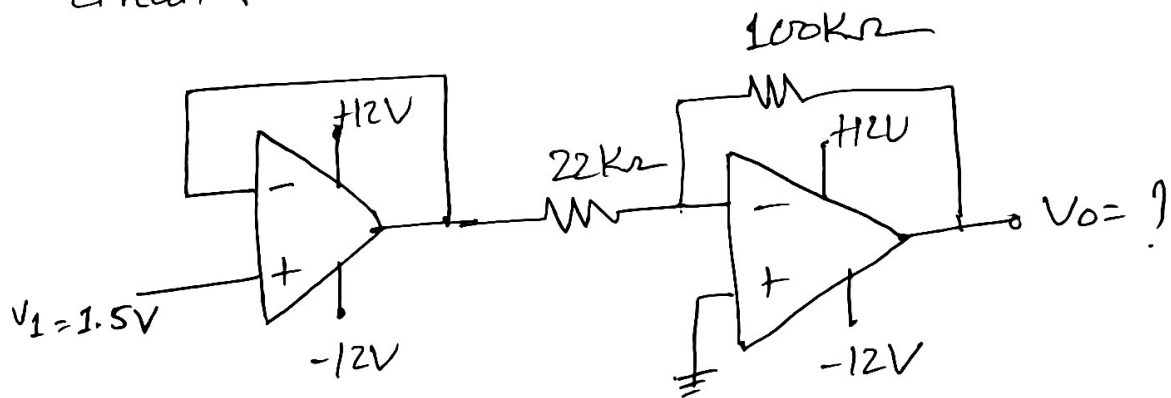


Q-4 If  $V_1 = V_2 = 1V$  DC in Q-3,  
What will be the value of  $V_o = ?$

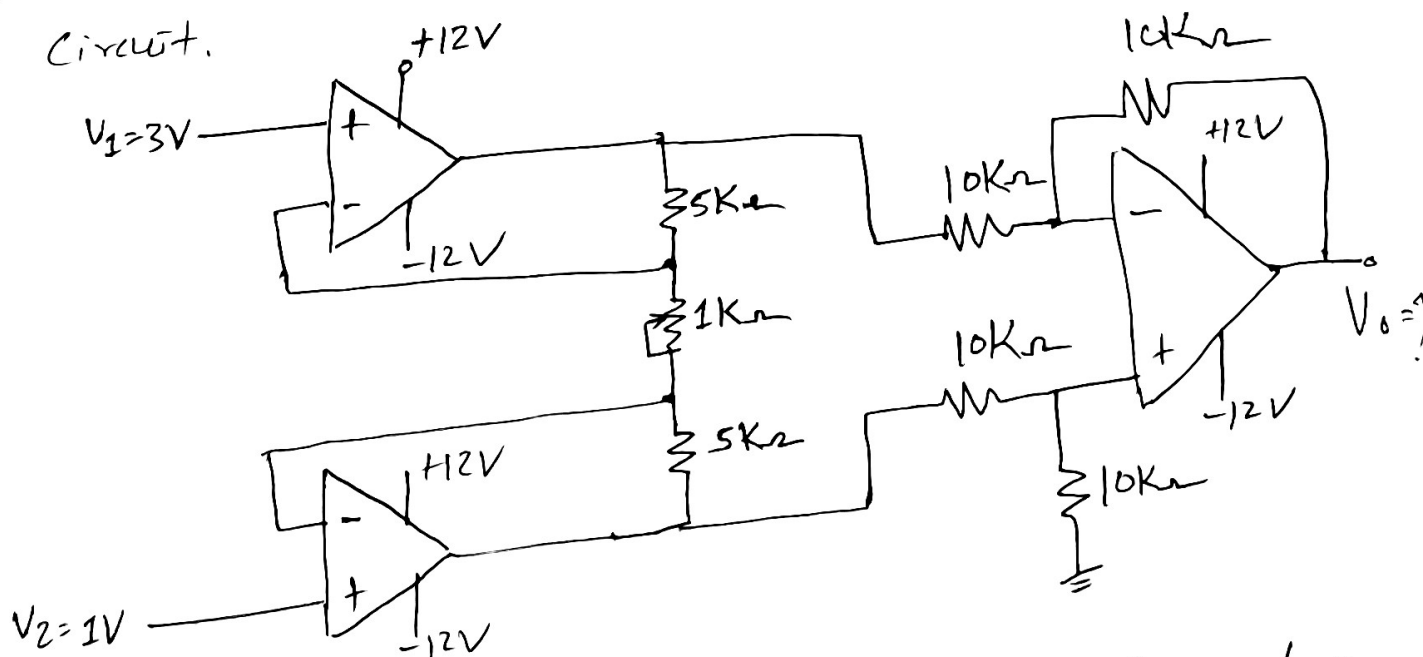
Q-5 Calculate the output voltage for following circuit.



Q-6 Calculate the output voltage for the following circuit.

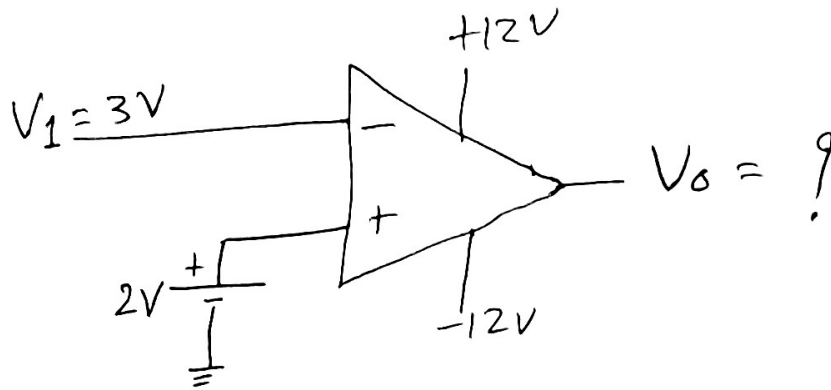


Q-7 Calculate the output voltage for the following circuit.



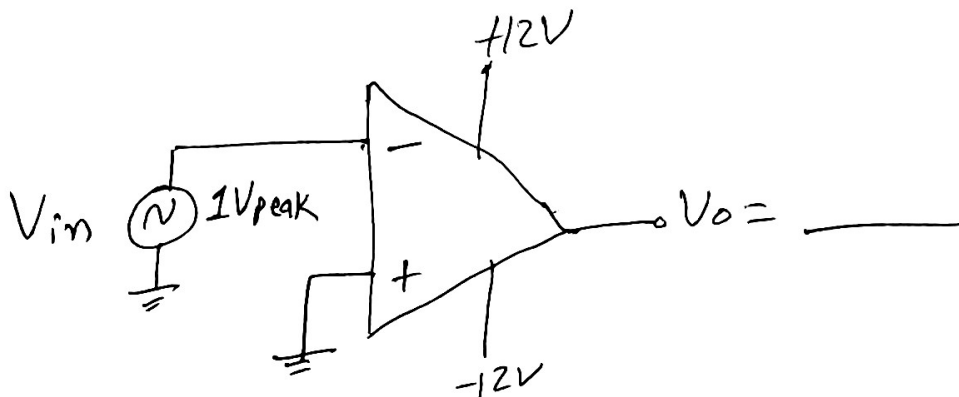
Q-8

What is output voltage in below mentioned circuit ?



Q-9

Which type of output waveform will be produced by following circuit ? Draw the o/p waveform with reference to input.



Q-10

Calculate UTP and LTP for following circuit if  $+V_{sat} = +11V$  &  $-V_{sat} = -11V$

