

1.3 Prelab Assignment (3 marks in total, 1 mark for each step):

Step 1: The circuit in Fig (1.1a) shows the pin identification for the μ A741 Op-Amp and the connections of the two dc-power supplies that are required for its operation. Suppose now that pin (2) is connected to the common ground (COM), while a triangular wave, voltage $v_I(t)$, is applied to pin (3), use Graph (1.1) to show how the resulting voltage-transfer characteristics, [$v_o(t)$ vs $v_I(t)$], would look like, given that the output saturation voltages of the Op-Amp are $\pm 13V$ and the equivalent-circuit model of the Op-Amp is shown in Fig (1.1b).





