Homework #3

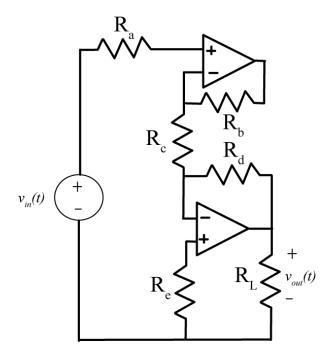**Due : Friday** December 14 by 5 PM

Exam 1, Tuesday December 18

1) Problem 3.5 from the Notes

2) Problem 3.6 from the Notes

3) For the following circuit, show that $v_{out}(t) = -\left(\dfrac{R_d}{R_c}\right) v_{in}(t)$

4) For the following circuit, show that $v_{out}(t) = -\left(\dfrac{R_f}{R_e} \dfrac{R_b}{R_a + R_b} \dfrac{R_c + R_d}{R_c}\right) v_{in}(t)$