# Lab. 12 Operational Amplifiers #2

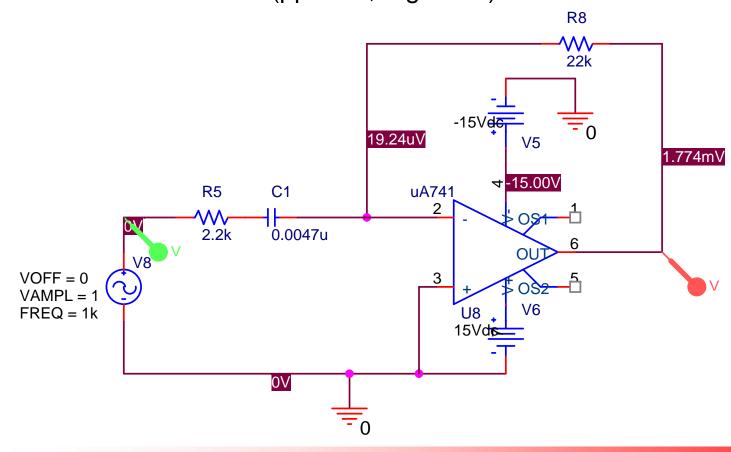
## **Adder**

✓ Adder circuit (pp. 342, Fig. 19-7) R8 10k -15Vdc 53.26uV V5 -6.382V R5 **→** -15.00V uA741 1.000V 4.7k R6 **////** 4.7k 1Vdc 3 V6 R7 U7 15Vds **/**///-4.7k  $\mathsf{OV}$ 



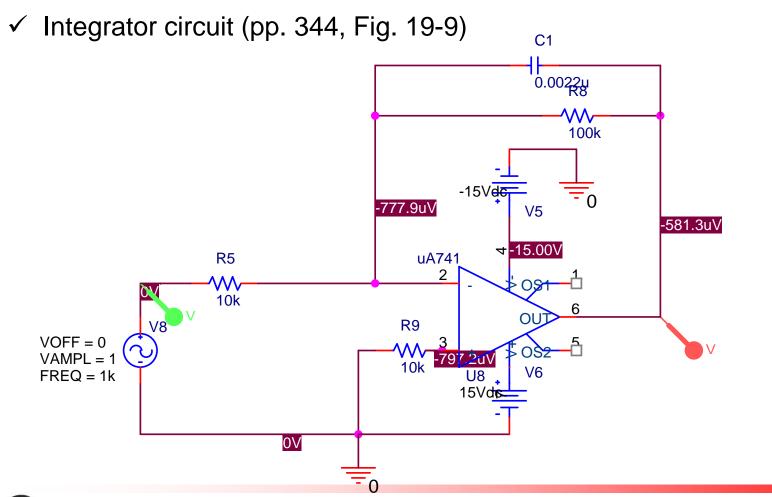
### Differentiator

✓ Differentiator circuit (pp. 343, Fig. 19-8)





# Integrator





# Contents of Lab. Report

- ✓ Team No.: PID: Name:
- ✓ Introduction
- ✓ Test Results: adder, differentiator, integrator
- ✓ Discussion & Conclusion

