

Student Name \_\_\_\_\_

**100 pts Project #1 Simulation: (Hand in to homework locker by due date)**  
**100 pts PSPICE:**

- \_\_\_\_\_ 1. (20 pts) Printout of schematic with corrected values.
- \_\_\_\_\_ 2. (20 pts) Plots of  $V_o$  (both rails): (include annotations).
- \_\_\_\_\_ 3. (20 pts) Plots of current to the load (both rails).
- \_\_\_\_\_ 4. (20 pts) Plot of voltage ripple (both rails). (This is seen by zooming in on the graph)
- \_\_\_\_\_ 5. (4 pts) Power dissipated through each component (to make sure that you will not “blow” up a component – make sure to check datasheets if necessary or rating values of components).
- \_\_\_\_\_ 6. (16 pts) Table:  $V_{omin}$ ,  $V_{omax}$ , load current, maximum diode current. (+2 each *for both rails*)

\_\_\_\_\_ /100 **Total**

FOR REGRADING: Please submit a copy of this graded page along with the work to be regarded. You will receive a 10% reduction from the difference between the regrade and your original grade.

Regrade Comments:

- |                   |                   |
|-------------------|-------------------|
| _____ 1. (20 pts) | _____ 4. (20 pts) |
| _____ 2. (20 pts) | _____ 5. (4 pts)  |
| _____ 3. (20 pts) | _____ 6. (16 pts) |

\_\_\_\_\_ /100 **Regrade Total**