**Laboratory Report Cover Sheet
DeVry University
College of Engineering and Information Sciences**

**Course Number:** REET 420

**Professor:**

**Laboratory Number:** 2

**Laboratory Title:**  Power Op Amps

**Submittal Date:** Click here to enter a date.

***Objectives:***

***Results:***

***Conclusions:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Team:*** |  |  |  |  |  |
|  | Name |  | Program |  | Signature |
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|  | Name |  | Program |  | Signature |
|  |  |  |  |  |  |
|  | Name |  | Program |  | Signature |

***Observations/Measurements:***

# The non-inverting op amp

### Paste the diagram of the simulation of the circuit shown in the ilab below:

### Confirm the input bias current and output voltage:

### 2. Paste the diagram of the simulation again setting *Rf* = 10 kΩ and *Ri* = 100 Ω.

### Give the new values for the input biasing current and the output voltage:

# DC signal power op amp calculations

### Paste the diagram of the simulation of the circuit shown in the ilab below.

### Verify your results and include figures of the wattmeter readings below:

# AC signal power op amp calculations

### Paste the diagram of the simulation of the circuit shown in the ilab below.

### Verify your results and include figures of the wattmeter readings below:

## V. Questions/Discussion

### Why is it important to carefully compute the power consumption in power op amp circuits?

### Under what operating conditions does the worst case power dissipation for op amp occur?

### .

***Grade:***

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| --- | --- | --- |
| **Deliverable** | **Points Available** | **Points Achieved** |
| Laboratory Cover Sheet | 6 |  |
| Calculations/Measurements | 12 |  |
| Questions | 6 |  |
| **Total Points** | 24 |  |
|  |
| Comments: |