## 11.3.3: Active Low Pass Filter (40 points)

1. In the space below, provide the resistance and capacitance values you chose to meet the given design requirements. Also provide the expected values input resistance, cutoff frequency, and DC gain for your circuit. Compare these values to the design specifications. (10 pts)
2. In the space below, tabulate the input frequencies and the magnitude response of your circuit at each of these frequencies. (Note: feel free to include additional data in your table. It may result in partial credit.) (13 pts)
3. **DEMO**: Have a teaching assistant initial this sheet, indicating that they have observed your circuit’s operation. (7 pts total)

**TA Initials: \_\_\_\_\_\_\_**

1. In the space below, provide the measured cutoff frequency and DC gain of your circuit (based on your magnitude response of part 2 above). Briefly compare your measured values to the design requirements (a percent difference between the two is always good). Comment on potential reasons for the differences between the design requirements and your measured values. (10 pts)