## 1.2.2: Dependent Sources and MOSFETs (55 points total)

1. Diagram of circuit, including measured resistance value. (5 pts)
2. What MOSFET threshold voltage. (10 pts)
3. Attach to this worksheet a table providing your measured gate-to-source voltage vs. drain current values and a plot of data. (15 pts)
4. What type of dependent source is the transistor behaving like? Why? (5 pts)
5. Estimated value of *g* for circuit. Annotate the plot attached to this worksheet, indicating how the value of g was determined. (10 pts)
6. **DEMO**: Have a teaching assistant initial this sheet, indicating that they have observed your circuits’ operation. (10 pts)

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