Lab 3

Part 1

Part 2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| VS | VG | VD | VGS | VDS | VDG | ID |
| 3.97V | 6.39V | 12.07V | 2.44V | 8.10V | 4.50V | 4.01mA |

Part 3

The theoretical values calculated for the resistances of the voltage divider for the gate were incredibly close. In fact, considering the error of the resistors, the experimental value fell well in the error margin of the theoretical value. The value of the resistors are: R1 = .48MΩ, R2 = .32MΩ.