**IB Physics**

**FA 19.1 - Series and Parallel**

Name

Is Waterboarding Torture? Would you like to be Waterboarded?

**Find the meter readings. Round your answers to three sig figs, and show your work.**

6.1 Ω

1.3 Ω

2.4 Ω

13.0 V

3.4 Ω

|  |  |  |
| --- | --- | --- |
| A1(0.985 A) | A2(0.985 A) | V1(2.36 V) |
| V2(9.36 V) | V3(0 V) | Greatest power dissipated by a resistor:(5.92 W) |

45.0 V

4.1 Ω

5.6 Ω

2.1 Ω

|  |  |  |  |
| --- | --- | --- | --- |
| A1(40.4 A) | A2(19.0 A) | A3(11.0 A) | Least power dissipated by a resistor(362 W) |