**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) |