

Name: _____

Period: _____ Date: _____

Order of Operations – Challenge Problems **Answers****Section I. Solve.**

1. $8 \cdot \frac{15}{5} - (5 + 9)$ **10**

2. $39 - (8 - 5)^4 + \frac{100}{5}$ **- 22**

3. $(6 - 4) \cdot (3 + 5)$ **16**

4. $13 + 8^2 \div -2 \left(8 - \frac{12}{3}\right)$ **5**

5. $25 + 3|9 - 15| - 3^3$ **34**

6. $\frac{42}{7}(19 - 16)^2$ **54**

7. $7 \cdot \left(\frac{30}{6} + 3\right) - 9\left(\frac{27}{9}\right)$ **- 19**

8. $11^2 + 10 \left|8 + \frac{-30}{15}\right|$ **181**

9. $\left| -6 - \frac{32}{4} \right| (10) - 4 \cdot 3^3$ **32**

10. $70 - 9|15 - 21| + (12^2 - 40)$ **111**

11. $\frac{36}{9}(11 - 7)^3$ **256**

12. $-85 - 4(13 - 8)^3$ **- 585**

13. $12 - 4 \left| \frac{6}{2} - 5(3) \right|$ **- 36**

14. $|4^2 - 27 \div 3(4)|$ **$13\frac{3}{4}$**

15. $15^2 - 12 \left| -4 + \frac{39}{-13} \right|$ **141**

16. $|3^4 + 60 \div 5(-8)|$ **$79\frac{1}{2}$**