**Order of Operations with Exponents**

**Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Use the order of operations to evaluate. Show your work!!**

1. $7+\left(-2\right) • 3^{2}$ 2. $\left(15^{2}-5 • 4^{2}\right)÷5$

3. $2\left(2^{3}- \frac{3^{3}}{9}\right)$ 4. $3\left(4^{3}- 2^{2} • 3^{2}\right)$

5. $28-(-3) • (-5)^{3}$ 6. $\left(20^{2}- 3^{3} • 8^{2}\right) ÷16$

7. $2(17^{2}- 16^{2})$ 8. $\frac{6^{3}}{3^{3}}- 2^{3}$

9. $7^{3}- 5^{4}$ 10. $4 • 3^{4}+6$

11. $5+3 • 2^{3}$ 12. $2+7 • (-3)^{2}$