

Name:

Period:

Date:

Evaluate the following expressions. (Show Your Work.)

1.) 10^3

Hint: Here we have three as our exponent. This means we have 10 multiplied by itself 3 times. What do we get when we do that.

2.) $(-7)^4$

Hint: Remember, we have a negative inside the parentheses, and an even exponent. Use number 1 as a guide to do the rest.

3.) $-(1/6)^5$

Hint: The negative is outside parentheses, so the answer will be negative. Use the hints on number 1 to guide you further.

4.) $(2/3)^6$

5.) $3 + 6 \cdot (-5)^2$

Hint: Remember PEMDAS. Follow the same process as 1 when dealing with exponents.

$$6.) \left| -\frac{1}{3}(1^{10} + 9 - 2^3) \right|$$

Hint: Remember PEMDAS. Remember to do everything inside of the parentheses first. Follow the same process as 1 when dealing with exponents.

$$7.) \left| \frac{1}{2}(2^4 - 3 - 5^2) \right|$$

Hint: See number 6.