1. $1^2 =$ $(-1)^2 =$

$2^2 =$ $(-2)^2 =$

$3^2 =$ $(-3)^2 =$

$4^2 =$ $(-4)^2 =$

$5^2 =$ $(-5)^2 =$

$6^2 =$ $(-6)^2 =$

$7^2 =$ $(-7)^2 =$

$8^2 =$ $(-8)^2 =$

$9^2 =$ $(-9)^2 =$

$10^2 =$ $(-10)^2 =$

2. Is $(-5)^2$ and -5^2 the same thing?

3. $1^3 =$ $(-1)^3 =$

$2^3 =$ $(-2)^3 =$

$3^3 =$ $(-3)^3 =$

$4^3 =$ $(-4)^3 =$

$5^3 =$ $(-5)^3 =$

4. $10^1 =$ $(-10)^1 =$

$10^2 =$ $(-10)^2 =$

$10^3 =$ $(-10)^3 =$

$10^4 =$ $(-10)^4 =$

$10^5 =$ $(-10)^5 =$

$10^6 =$ $(-10)^6 =$

5. a) $(-2)^1 =$

b) $(-2)^2 =$

c) $(-2)^3 =$

d) $(-2)^4 =$

e) $(-2)^5 =$

f) $(-2)^6 =$

g) $(-2)^7 =$

h) $(-2)^8 =$

6. a) $-1 + -2 + -3 + -4 + -5 + -6 + -7 =$

b) $(-1)(1 + 2 + 3 + 4 + 5 + 6 + 7) =$

c) $-(1 + 2 + 3 + 4 + 5 + 6 + 7) =$

7. Expand each into the sum of four numbers to show that you know how to distribute (F.O.I.L.). Add these four numbers to get your final answer. Watch your signs!

$(1 + 3)(2 + 4) =$

$(4 + 2)(3 + 1) =$

$(1 + 2)(3 + 4) =$

$(1 - 2)(3 + 4) =$

$(1 + 2)(3 - 4) =$

$(1 - 2)(3 - 4) =$

8. $1^0 =$ $1^1 =$

$2^0 =$ $2^1 =$

$3^0 =$ $3^1 =$

$10^0 =$ $10^1 =$

$1{,}234{,}567^0 =$ $1{,}234{,}567^1 =$

$0^0 =$ $0^1 =$

9. $(10^1)(10^2) =$

$(10^2)(10^3) =$

$(10^3)(10^6) =$

$(2^2)(2^3) =$

10. $(10^1)^2 =$

$(10^2)^2 =$

$(10^9)^3 =$