

Powers of 10

$$7803 = 7000 + 800 + 3$$

$$= (7 \cdot 1000) + (8 \cdot 100) + (3 \cdot 1)$$

$$= (7 \cdot 10^3) + (8 \cdot 10^2) + (3 \cdot 10^0)$$

$-(-3)^5$ Base: -3

$$(-)^{\text{odd}} = \text{neg}$$

$$(-6)^0 = 1$$

$$(-)^{\text{even}} = \text{pos}$$

$$-6^0 = -1$$

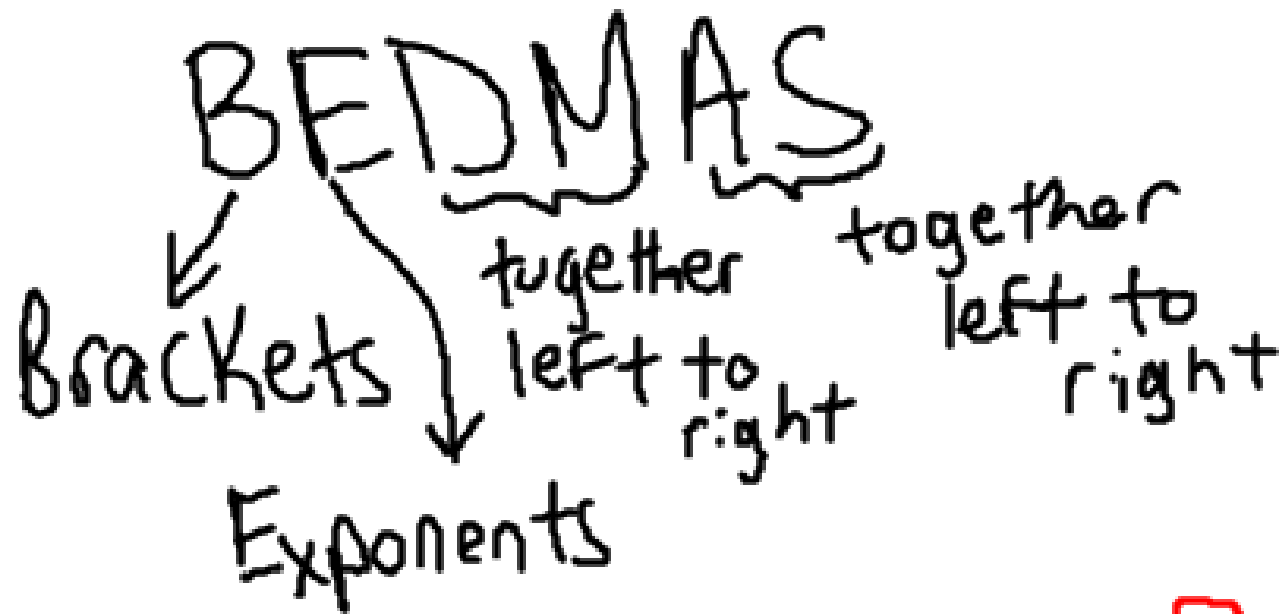
$$(-5)^8 = \text{pos}$$

$$(-2)^3 = \text{neg}$$

$$-(-4)^4 = \text{neg}$$

$$-(-6)^3 = \text{pos}$$

Order of Operations



① $3^3 + 2^3$
 $27 + 8$
 35

② $3 - 2^3$
 $3 - 8$
 -5

③ $(3+2)^3$
 5^3
 125

$$\underbrace{[(2)(-3)^3 - 6]}^2$$

$$[(2)(-27) - 6]^2$$

$$[-54 - 6]^2$$

$$(-60)^2$$

$$3600$$

$$[3 - (2+1)^2(-4)]^3$$

$$[3 - (3)^2(-4)]^3$$

$$[3 - (9)(-4)]^3$$

$$[3 - (-36)]^3$$

$$39^3$$

$$59319$$

$$(18^2 + 5^0)^2 \div (-5)^3$$

$$(324 + 1)^2 \div (-5)^3$$

$$(325)^2 \div (-5)^3$$

$$105625 \div -125$$

$$-845$$

Practice

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3, 4, 5,

7, 8, 10

