

RULES OF SIGNS

$$(+)(+) = (+)$$

$$(+)(-) = (-)$$

$$(-)(+) = (-)$$

$$(-)(-) = (+)$$

Example: $\frac{(+)(-)(-)(-)}{(-)(+)} = (+)$

even $\rightarrow (+)$

odd $\rightarrow (-)$

NOTE: when we eliminate a parenthesis preceded by a negative sign, the signs inside the parenthesis change.

Example:

$$17 - (3x + 4) + 5x = 17 - 3x - 4 + 5x$$

$$= 13 + 2x$$

Example $(-2)^3 = -8$