

Distributive Property: $a(b + c) = ab + ac$

Parenthesis means multiply. **Multiply everything inside the parenthesis.**

e.g. $-3(2x - 6) = -6x + 18.$

$$(2x - 6)5 = 10x - 30$$

The Distributive Property applies to the negative sign!!!

e.g. $-(3 - 4x) = -3 + 4x$

e.g. $9 - (x + 4)$

$$9 - x - 4$$

$$5 - x$$

The - sign in front of the parenthesis means $-1(x + 4)$.

Therefore, $-1(x + 4) = -1x - 4$.