

## Expanding Expressions

① Distribute

② Simplify

EX.  $19 + 3(4y + 5)$

$(19) + 12y + (15)$

$34 + 12y$

EX.  ~~$10 + 15(w + 2)$~~

$10 + 15(w + 2)$

~~$10$~~   $+ -15w + 30$

$40 + -15w$

or

$40 - 15w$

EX.  $-6(x + 4) + 2x + 14$

$(-6x) + 24 + (-2x) + 14$

$-8x + 38$

EX.  $-5(2f + 7) + 10f + 30$

$-10f + 35 + 10f + -30$

$5$