The Distributive Property

Name _____

Date _____ Period _____

For every real number a, b, and c...

$$a(b + c) = a \cdot b + a \cdot c \qquad a(b - c) = a \cdot b - a \cdot c$$

$3(5 + 6)$ $\qquad$ $4(7 - 5)$

Use the distributive property to simplify the following expressions

$2(x + 4)$ $\qquad$ $4(5 - y)$ $\qquad$ $(a + 3)6$

$-2(x + 8)$ $\qquad$ $-5(3 - b)$ $\qquad$ $(x - 2)(-4)$

Use the distributive property to simplify the following expressions

$3(2x + 4 + 5y)$

$\frac{1}{2}(4 - a + b)$

$-(5x - 8)$

$-(6 + 3a)$

For every real number a, b, and c...

$a(b + c) = a \cdot b + a \cdot c$

$a(b - c) = a \cdot b - a \cdot c$

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