

Name: _____

Use the Distributive Property to rewrite each expression. Next evaluate each expression.

Expression	Distribute	Evaluate
$3(4 + 8)$	$3 \times 4 + 3 \times 8$	$12 + 24 = 36$
$5(9 + 2)$		
$7(8 + 3)$		
$3(5 + 10)$		
$4(9 + 6)$		
$6(3 + 1)$		
$12(5 + 7)$		
$2(3 + 5)$		
$6(8 + 4)$		
$10(4 + 5)$		
$9(12 + 7)$		
$8(5 + 6)$		
$7(4 + 2)$		

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Use the Distributive Property to rewrite each expression. Simplify the expression.

Expression	Distribute	Simplify
$3(2x + 4)$	$3 \cdot 2x + 3 \cdot 4$	$6x + 12$
$6(3y + 2)$		
$7(5 + 2z)$		
$4(8x + 9)$		
$8(2 + 4y)$		
$5(2x + 3x)$	$5 \cdot 2x + 5 \cdot 3x$	$10x + 15x = 25x$
$4(3x + 6x)$		
$7(x + 5x)$		
$3x(3 + 7)$	$3x \cdot 3 + 3x \cdot 7$	$9x + 21x = 30x$
$4x(6 + 8)$		
$5y(3 + 6)$		
$5(3x + 4y)$	$5 \cdot 3x + 5 \cdot 4y$	$15x + 20y$
$6(2x + 8y)$		