

Name: _____
Ms. Napolitano

Date: _____
Equivalent Expressions

Day 3 Equivalent Expressions

Homework (Day 3)

Write an Equivalent Expression

1. $7(y + 2)$

2. $8(2a - 4)$

3. $(3 + 5)(b \times 8)$

4. Draw lines to match the equivalent expressions.

$2(b - 6)$

$3b + 9b$

$4b(1 \times 7)$

$4b$

$b(3 + 9)$

$2b - 12$

$9b(8 \div 2)$

$4b \times 28b$

5. Write an equivalent expression to: $9(4x + 2)$

Distributive Property

Apply the distributive property to write an equivalent expressions

a) $4(3a + 4)$	b) $2(4y + 5)$
c) $4(2b + 3c)$	d) $6(x - y)$
e) $3(4g + 6h)$	f) $8\left(\frac{3}{4}x + 6\right)$
g) $\frac{2}{3}(9x - 3x) - 2x$	h) $\frac{3}{4}(24b + 9) + 6b$

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Apply the distributive property in reverse to write an equivalent expression.

$5k + 15$	$12 + 4b$
$9g + 3$	$4a - 16$
$6g + 18r$	$21 - 7g$
$72 + 24k$	$10.5x + 100 - \frac{1}{2}x$
$18y + 24z - 36k$	$8r + 12 + 19r$

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