Three Truths and a Lie

Directions: Print cards and place around the room to create stations. Students will rotate through each station and solve the expressions. The students will determine which expression is not equivalent to the other three expressions. Students will justify the expression they chose.

EXAMPLE:

$$-8 - 7n + 16n$$

$$9(n - 8)$$

$$n - 8 + 8n$$

$$9n - 8$$

$9(n - 8)$ does NOT belong (the lie). $9(n - 8) = 9n - 72$, all of the other expressions are equivalent to $9n - 8$.

$-5(8x+2)$	$5-9n+12n$
$40x+10$	$3(n+5)$
$-40x-10$	$-5n+5+8n$
$-2(20x+5)$	$3n+5$
$\dfrac{1}{4}(12w+8)$	$9r-2+r-3$
$3w+8$	$10r-5$
$3w+2$	$5(2r-1)$
$\dfrac{12}{4}w+\dfrac{8}{4}$	$10r-1$

$x + 2 + 5x - 3$ $6x - 1$ $2x - 8 + 4x + 7$ $6(x - 1)$	$-3.5(4y + 2)$ $-14y - 7$ $-9y - 7 - 5y$ $-14y + 7$
$3n - 8 + 13$ $5 + 2n + n$ $3n + 6$ $3(n + 2) - 1$	$-3.2(4x + 3)$ $-12.8x + 9.6$ $-12.8x - 9.6$ $-5.6x - 9.6 - 7.2x$