

Identify Equivalent Linear Expressions

Circle each of the expressions that are equivalent to the given expression. There may be more than one equivalent expression in each box.

$5m + 20$	$4a - 12b$
$5(m + 4)$ $5m - 20$ $3m + 20 + 2m$ $20 + 5m$	$4(a - 12b)$ $-12b + 4a$ $2(2a - 6b)$ $4(a - 2b)$
$11h - 4 - 9h + 1$	$7(2t + 1)$
$-2h - 3$ $-3 + 2h$ $-2h + 1$ $2h + 3$	$7(1 + 2t)$ $7t + 7t + 1$ $-7(-2t - 1)$ $7 + 14t$
$-6(f + 3) - 4$	$-8p - 4q + 6$
$-4 - 6(f + 3)$ $6f - 14$ $-6f - 12$ $-6f - 22$	$2(-4p - 2q + 3)$ $-12pq + 6$ $-2(4p + 2q - 3)$ $6 - 8p - 4q$
$4 + 3n - n - 18$	$2(-3y + 1) - 8y - 6$
$22 + 2n$ $2n - 14$ $2(n - 7)$ $-2(7 - n)$	$-14y - 4$ $2(7y - 2)$ $-8y - 6 - 6y + 2$ $-4 - 14y$

Challenge! Write two different expressions that are equivalent to each given expression. **Answers may vary.**

$3(8 - 5r)$	$9 + 4(2w + 1) - w$	$15c + 5d - 30$
<hr/> $24 - 15r$ <hr/> $3(-5r + 8)$	<hr/> $9 + 8w + 4 - w$ <hr/> $13 + 7w$	<hr/> $5(3c + d - 6)$ <hr/> $-30 + 5c + 15d$