Algebra - what's the mistake?!

$a + a + a$ $= a^3$	$3a + 4b - a$ $= 4a + 4b$	$3b \times 4c$ $= 7bc$	$a \times a \times a$ $= 3a$	$p^2 + p^2$ $= 2p^4$
$g^2 \times g^3$ $= g^6$	$-4m + 3m$ $= 7m$	Expand $4(2p+3)$ $= 8p + 3$	$-3r + 4t - r + 10t$ $= -2r + 14t$	The nth term is $3n+7$, find the 53rd term $353 + 7$ $= 360$
Expand and simplify: $2(y+3) + 3(2y + 5)$ $= 2y + 6 + 6y + 15$	Find the value of $4p + 5q$ if $p=11$ and $q=-2$ $4 \times 11 + 5 \times -2$ $= 54$	Expand and simplify: $(f+1)(f+2)$ $= f^2 + 2f + f + 3$ $= f^2 + 3f + 3$	$2g \times 3h \times 5i$ $2 + 3 + 5 = 10$ Therefore: $= 10ghi$	Factorise: $12d + 16de$ $= 1(12d + 16de)$
Solve: $2k + 3 = k + 7$ $-k$ $k + 3 = 7$ -3 $k = 10$	$g + g + h \times h \times h$ $= 2g + 3h$	Find the nth term: 4, 7, 10, 13, 16... $+3\ +3\ +3\ +3$ $= 3n - 1$	Expand and simplify: $(r-3)^2$ $r \times r = r^2$ $-3 \times -3 = 9$ Therefore: $= r^2 - 9$	$3r^3 \times 5 + 4r^3 \times 10$ $15r^3$ $19r^3$ $= 190r^3$