

26 Combining Like-Terms Practice

Practice: Combining Like Terms

Simplify each expression

#1	$5g - g + 2y + 4y$ $4g + 6y$	#2	$15t + 9s + t - 9$ $16t + 9s - 9$
#3	$16x^2 + 4x^2 - 2x - 12x^2 + 4x$ $8x^2 + 2x$	#4	$h + 2h + 7g + 9 + g$ $3h + 8g + 9$
#5	$18k - 12k + 2m - m$ $6k + m$	#6	$3g^2 + 5g - 2g^2 + g$ $g^2 + 6g$
#7	$6h^3 + 2h^2 + 2h - h + 5h^3$ $11h^3 + 2h^2 + h$	#8	$m + n + 2m + 3n$ $3m + 4n$

#9. Rewrite each expression using multiplication.

a) $g + g + g + g + g$ $5g$	b) $t + t + t$ $3t$
c) $d + d + d + d + d + d + d$ $7d$	d) $k + k + k + k$ $4k$

#10. Simplify each expression.

a) $2g + 4g + 5g$ $11g$	b) $t + 2t - 4$ $3t - 4$
c) $5d + 2 + 3d - d$ $7d + 2$	d) $2k + 2k^2 - k + 5k^2$ $k + 7k^2$

Trisha simplified each expression below by combining like terms. She did each one incorrectly. Identify and explain the mistakes that Trisha made in each problem.

#11. $5g + 2g^2 = 7g$	$10h - 6h = 16h$
Trisha combined terms with different exponents which is not allowed.	Trisha added, but should have subtracted.