

Mandalay International Science Academy  
Year 8 Mathematics

Please match the factorized expressions to their expanded forms

	Factorized	Expanded
1	$6x(4x^2 + 2x + 3)$	$30x^2 + 18y - 42y^2$
2	$7pqr(5q - 4p - 7r)$	$6a^2bd^2 - 66bd^2$
3	$3t^3(25 + 11t)$	$-36ax + 48bx$
4	$-12x(3a - 4b)$	$75t^3 + 66t^4$
5	$15xy(3x + 2 + 4y)$	$210ax - 60abx - 90adx^2$
6	$30ax(7 - 2b - 3dx^2)$	$45x^2 + 90$
7	$6(5x^2 + 3y - 7y^2)$	$-46o^3 - 69o^2$
8	$-8xy(2xy + 3y + 2x)$	$60x - 12x^3 + 66ax^4$
9	$-23o^2(2o + 3)$	$24x^3 + 12x^2 + 18x$
10	$6x(10 - 2x^2 + 11ax^3)$	$35pq^2r - 28p^2qr - 49pqr^2$
11	$45(x^2 + 2)$	$45x^2y + 30xy + 60xy^2$
12	$6bd^2(a^2 - 11)$	$-16x^2y^2 - 24xy^2 - 16x^2y$