

Expanding Brackets Revision

(a)	(b)	(c)	(d)
Expand $7(x - 3)$ $7x - 21$	Expand $x(5 + 2x)$ $5x + 2x^2$	Expand $5y(3y - 1)$ $15y^2 - 5y$	Expand $-6(2x + 3)$ $-12x - 18$
(e)	(f)	(g)	(h)
Expand $x^2(9 - 2x)$ $9x^2 - 2x^3$	Expand and simplify $5(x + 3) + 2(x - 4)$ $7x + 7$	Expand and simplify $4(2x - 3) - 2(x - 1)$ $6x - 10$	Expand and simplify $7 - 3(4x - 1)$ $-12x + 10$
(i)	(j)	(k)	(l)
Expand and simplify $(x + 3)(x + 7)$ $x^2 + 10x + 21$	Expand and simplify $(x - 5)(x + 1)$ $x^2 - 4x - 5$	Expand and simplify $(y - 8)(y - 7)$ $y^2 - 15y + 56$	Expand and simplify $(5x + 1)(x - 4)$ $5x^2 - 19x - 4$
(m)	(n)	(o)	(p)
Expand and simplify $(2x - 3y)(x - 2y)$ $2x^2 - 7xy + 6y^2$	Expand and simplify $(x + 3)^3$ $x^3 + 9x^2 + 27x + 27$	Expand and simplify $(2x + 3)(x - 1)(x + 5)$ $2x^3 + 11x^2 + 2x - 15$	$(3x - 1)(x + a)^2$ $\equiv 3x^3 - 19x^2 + bx - 9$ Find the values of a and b . $a = -3, b = 33$