



EXPANDING A BRACKET LETTER FACTORS

Ref: G226. **1F2**

A1 Expand: $x(x+7)$	A2 Expand: $x(x+3)$	A3 Expand: $x(x-5)$	A4 Expand: $x(x-1)$
B1 Expand: $x(x+y)$	B2 Expand: $x(8+y)$	B3 Expand: $x(x-y)$	B4 Expand: $y(4-y)$
C1 Expand: $x(x+y+5)$	C2 Expand: $x(w+x+y)$	C3 Expand: $x(x-y-2)$	C4 Expand: $y(x+9-y)$
D1 Expand: $x(2x+3)$	D2 Expand: $x(5x+9y)$	D3 Expand: $x(7+4x)$	D4 Expand: $y(3x-2y)$
E1 Expand: $x(x+3y+8)$	E2 Expand: $x(w+8x-3)$	E3 Expand: $x(3w-6x+5y)$	E4 Expand: $y(4w+2x-11y)$



EXPANDING A BRACKET LETTER FACTORS

Ref: G226. **1F2**

A1 Expand: $x(x+7) = x^2 + 7x$	A2 Expand: $x(x+3) = x^2 + 3x$	A3 Expand: $x(x-5) = x^2 - 5x$	A4 Expand: $x(x-1) = x^2 - x$
B1 Expand: $x(x+y) = x^2 + xy$	B2 Expand: $x(8+y) = 8x + xy$	B3 Expand: $x(x-y) = x^2 - xy$	B4 Expand: $y(4-y) = 4y - y^2$
C1 Expand: $x(x+y+5) = x^2 + xy + 5x$	C2 Expand: $x(w+x+y) = wx + x^2 + xy$	C3 Expand: $x(x-y-2) = x^2 - xy - 2x$	C4 Expand: $y(x+9-y) = xy + 9y - y^2$
D1 Expand: $x(2x+3) = 2x^2 + 3x$	D2 Expand: $x(5x+9y) = 5x^2 + 9xy$	D3 Expand: $x(7+4x) = 7x + 4x^2$	D4 Expand: $y(3x-2y) = 3xy - 2y^2$
E1 Expand: $x(x+3y+8) = x^2 + 3xy + 8x$	E2 Expand: $x(w+8x-3) = wx + 8x^2 - 3x$	E3 Expand: $x(3w-6x+5y)$ $= 3wx - 6x^2 + 5xy$	E4 Expand: $y(4w+2x-11y)$ $= 4wy + 2xy - 11y^2$