MULTIPLYING BRACKETS

DOUBLE BRACKETS

NO CALCULATOR

Ref: G232. 1F1

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

MULTIPLYING BRACKETS

DOUBLE BRACKETS

Ref: G232. 1F1

A1 Expand $(x+4)(x+3)$ $x^2+3x+4x+12$ $x^2+7x+12$	**A2** Expand $(x+2)(x+6)$ $x^2+6x+2x+12$ $x^2+8x+12$	**A3** Expand $(x+7)(x+5)$ $x^2+5x+7x+35$ $x^2+12x+35$	**A4** Expand $(x+8)(x+9)$ $x^2+9x+8x+72$ $x^2+17x+72$
B1 Expand $(x+8)(x-2)$ $x^2-2x+8x-16$ $x^2+6x-16$	**B2** Expand $(x-3)(x+6)$ $x^2+6x-3x-18$ $x^2+3x-18$	**B3** Expand $(x+7)(x-9)$ $x^2-9x+7x-63$ $x^2-2x-63$	**B4** Expand $(x-5)(x+4)$ $x^2+4x-5x-20$ x^2-x-20
C1 Expand $(x-7)(x-5)$ $x^2-5x-7x+35$ $x^2-12x+35$	**C2** Expand $(x-9)(x-4)$ $x^2-4x-9x+36$ $x^2-13x+36$	**C3** Expand $(x-8)(x-2)$ $x^2-2x-8x+10$ $x^2-10x+10$	**C4** Expand $(x-3)(x-6)$ $x^2-6x-3x+18$ $x^2-9x+18$
D1 Expand $(x+6)^2=(x+6)(x+6)$ $x^2+6x+6x+36$ $x^2+12x+36$	**D2** Expand $(x-9)^2=(x-9)(x-9)$ $x^2-9x-9x+81$ $x^2-18x+81$	**D3** Expand $(x+3)^2=(x+3)(x+3)$ $x^2+3x+3x+9$ x^2+6x+9	**D4** Expand $(x-8)^2=(x-8)(x-8)$ $x^2-8x-8x+64$ $x-16x+64$
E1 Expand $(2x+5)(x+7)$ $2x^2+14x+5x+35$ $2x^2+19x+35$	**E2** Expand $(3x-4)(x-8)$ $3x^2-24x-4x+32$ $3x^2-28x+32$	**E3** Expand $(2x+5)(x-3)$ $2x^2-6x+5x-15$ $2x^2-x-15$	**E4** Expand $(3x-7)(x+9)$ $3x^2+27x-7x-63$ $3x^2+20x-63$