EXPANDING BRACKETS

TWO SINGLE BRACKETS

Ref: G226.3F1

A1 Expand and simplify $2(x+3)+3(x+5)$	**A2** Expand and simplify $3(x-4)+4(x+5)$	**A3** Expand and simplify $6(x+4)+2(x-7)$	**A4** Expand and simplify $5(x-2)+3(x-5)$
B1 Expand and simplify $4(x+6)-2(x+3)$	**B2** Expand and simplify $5(x+2)-3(x+1)$	**B3** Expand and simplify $4(x-3)-2(x+5)$	**B4** Expand and simplify $5(x-2)-2(x+4)$
C1 Expand and simplify $5(x+1)-3(x-3)$	**C2** Expand and simplify $4(x-3)-3(x-7)$	**C3** Expand and simplify $5(x-1)-2(x-3)$	**C4** Expand and simplify $7(x+4)-3(x-3)$
D1 Expand and simplify $(x+2)+(x+9)$	**D2** Expand and simplify $(x+7)-(x+3)$	**D3** Expand and simplify $(x+8)+(x-4)$	**D4** Expand and simplify $(x-3)-(x-5)$

EXPANDING BRACKETS

TWO SINGLE BRACKETS

Ref: G226. 3F1

A1 Expand and simplify
$2(x+3)+3(x+5)$
$2x+6$ $+3x+15$
$=5x+21$

A2 Expand and simplify
$3(x-4)+4(x+5)$
$3x-12$ $+4x+20$
$=7x+8$

A3 Expand and simplify
$6(x+4)+2(x-7)$
$6x+24$ $+2x-14$
$=8x+10$

A4 Expand and simplify
$5(x-2)+3(x-5)$
$5x-10$ $+3x-15$
$=8x-25$

B1 Expand and simplify
$4(x+6)-2(x+3)$
$4x+24$ $-2x-6$
$=2x+18$

B2 Expand and simplify
$5(x+2)-3(x+1)$
$5x+10$ $-3x-3$
$=2x+7$

B3 Expand and simplify
$4(x-3)-2(x+5)$
$4x-12$ $-2x-10$
$=2x-22$

B4 Expand and simplify
$5(x-2)-2(x+4)$
$5x-10$ $-2x-8$
$=3x-18$

C1 Expand and simplify
$5(x+1)-3(x-3)$
$5x+5$ $-3x+9$
$=2x+14$

C2 Expand and simplify
$4(x-3)-3(x-7)$
$4x-12$ $-3x+21$
$=x+9$

C3 Expand and simplify
$5(x-1)-2(x-3)$
$5x-5$ $-2x+6$
$=3x+1$

C4 Expand and simplify
$7(x+4)-3(x-3)$
$7x+28$ $-3x+9$
$=4x+37$

D1 Expand and simplify
$(x+2)+(x+9)$
$x+2$ $+x+9$
$=2x+11$

D2 Expand and simplify
$(x+7)-(x+3)$
$x+7$ $-x-3$
$=4$

D3 Expand and simplify
$(x+8)+(x-4)$
$x+8$ $+x-4$
$=2x+4$

D4 Expand and simplify
$(x-3)-(x-5)$
$x-3$ $-x+5$
$=2$