Expanding Two Sets of Brackets

Expand and simplify

(a) $2(x+4)+5(x+3)$

(b) $3(x+5)+2(x+1)$

(c) $5(x+7)+3(x+2)$

(d) $6(x+1)+4(x+3)$

(e) $2(2x+3)+4(3x+5)$

Expand and simplify

(a) $3(x+9)+6(x-2)$

(b) $5(x-2)+3(x+4)$

(c) $2(x+8)+4(x-1)$

(d) $6(x+3)+2(x-4)$

(e) $3(2x+5)+2(x-3)$

Expand and simplify

(a) $5(x+5)-2(x+3)$

(b) $6(x-1)-3(x+2)$

(c) $4(x+7)-2(x+5)$

(d) $3(x-1)-2(x+4)$

(e) $5(2x+3)-4(x+2)$

Expand and simplify

(a) $3(x+10)-2(x-4)$

(b) $5(x+4)-4(x-1)$

(c) $7(x+5)-3(x-2)$

(d) $6(x-3)-2(x-4)$

(e) $3(2x-7)-2(x-2)$

When two sets of single brackets are added the result is $7x-5$. What could the two sets of brackets have been?

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