



UNDERSTANDING ALGEBRA

COLLECTING LIKE TERMS: MULTIPLE VARIABLES

Ref: G213. **2F1**

A1 Simplify: $a+a+a+b+b$	A2 Simplify: $a+b+a+b+a$	A3 Simplify: $a+b+b+a+b-a$	A4 Simplify: $a+a+b+b+c+c$
B1 Simplify: $3a+2a+3b+5b$	B2 Simplify: $2a+4b+7a+3b$	B3 Simplify: $8b+4a-5b-2a$	B4 Simplify: $7b+5a+3a-4b$
C1 Simplify: $6a+5+2a+4$	C2 Simplify: $5a+9-3a-6$	C3 Simplify: $7+4a+6-2a$	C4 Simplify: $4a+8-6+3a$
D1 Simplify: $a+11b+5a-3b$	D2 Simplify: $3a+10-a+5$	D3 Simplify: $7a+8+3a-a$	D4 Simplify: $5a-a+6b+b$
E1 Simplify: $7a+9b-7b+5$	E2 Simplify: $6a+8-a+7a$	E3 Simplify: $8a+4b-3a+3c$	E4 Simplify: $6b-b+3+2a-a$



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B1 Simplify: $3a+2a+3b+5b$ $5a+8b$	B2 Simplify: $2a+4b+7a+3b$ $9a+7b$	B3 Simplify: $8b+4a-5b-2a$ $2a+3b$	B4 Simplify: $7b+5a+3a-4b$ $8a+3b$
C1 Simplify: $6a+5+2a+4$ $8a+9$	C2 Simplify: $5a+9-3a-6$ $2a+3$	C3 Simplify: $7+4a+6-2a$ $2a+13$	C4 Simplify: $4a+8-6+3a$ $7a+2$
D1 Simplify: $a+11b+5a-3b$ $6a+8b$	D2 Simplify: $3a+10-a+5$ $2a+15$	D3 Simplify: $7a+8+3a-a$ $9a+8$	D4 Simplify: $5a-a+6b+b$ $4a+7b$
E1 Simplify: $7a+9b-7b+5$ $7a+2b+5$	E2 Simplify: $6a+8-a+7a$ $12a+8$	E3 Simplify: $8a+4b-3a+3c$ $5a+4b+3c$	E4 Simplify: $6b-b+3+2a-a$ $a+5b+3$