

JCHL Algebra 2 — Grouping Like Terms

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ON THE JC PAST PAPERS · 2025 JCHL Q11(a) — 5 marks · 2023 JCHL Q9(a) — 10 marks

How to use this worksheet: these are the exact questions worked in this tutorial, in order. Try each one yourself first — the time it is posed in the video is shown, so you can pause before Paul solves it. Final answers are at the back; the full method is in the video.

Worked examples (in the video)

Worked example. Simplify $-6x^2 + 3x + 5 - 7x + 4 + 12x^2$ (rewrite with like terms together, then combine each group). (*worked 00:06-02:54*).

Questions

(a). Simplify $3x^2 - 7y + 4 - 6y + 12x^2$.

Posed at 03:40 in the tutorial.

(b). Simplify $-3x + 5y - 7x + 4y - 17$.

Posed at 04:38 in the tutorial.

(c). Simplify $13x^2 + 14y^2 + 6x + 5y - 2x$.

Posed at 05:34 in the tutorial.

Answers

You can find the final answers to these questions below — pause the video and check yourself; the worked method is in the tutorial.

Worked example. $6x^2 - 4x + 9$

(a). $15x^2 - 13y + 4$

(b). $-10x + 9y - 17$

(c). $13x^2 + 14y^2 + 4x + 5y$

Overlaps with these tutorials

Builds on: Algebra 1 — Signs.

Next: Algebra 3 — Multiplication of Algebraic Expressions.