

Collecting Like Terms Exercise

Year 9 Mathematics | 15 questions

Name: _____ **Date:** _____

Simplify each expression. Combine terms only when the letters and their powers match.
Show your working on separate paper if needed.

01. $7x + 3y - 2x + 5y$

Answer: _____

02. $9a - 4a + 2a$

Answer: _____

03. $6p + 3q - 2p - q$

Answer: _____

04. $5x^2 + 3x^2 - 2x^2$

Answer: _____

05. $8x^2 + 4x - 3x^2 + 7x$

Answer: _____

06. $6a^2 + 3a - 2a^2 + 5a$

Answer: _____

07. $4xy + 7xy - 3xy$

Answer: _____

08. $9x^2 + 2x - 4x^2 - 5x$

Answer: _____

Collecting Like Terms Exercise continued

09. $3p^2 + 6p + 5p^2 - 2p$

Answer: _____

10. $7ab - 2a + 4ab + 5a$

Answer: _____

11. $5x^3 + 2x^2 - 3x^3 + 6x^2$

Answer: _____

12. $8m^2n - 3mn^2 + 2m^2n + 5mn^2$

Answer: _____

13. $4x^2y + 3xy^2 - 6x^2y + 2xy^2$

Answer: _____

14. $7a^3 - 2a^2 + 4a^3 + 5a^2 - a$

Answer: _____

15. $6x^2 - 3x + 4 - 2x^2 + 8x - 9$

Answer: _____

Collecting Like Terms Answer Key

Teacher copy | One mark per correct simplified expression | Total 15 marks

No.	Simplified expression
1	$5x + 8y$
2	$7a$
3	$4p + 2q$
4	$6x^2$
5	$5x^2 + 11x$
6	$4a^2 + 8a$
7	$8xy$
8	$5x^2 - 3x$
9	$8p^2 + 4p$
10	$11ab + 3a$
11	$2x^3 + 8x^2$
12	$10m^2n + 2mn^2$
13	$-2x^2y + 5xy^2$
14	$11a^3 + 3a^2 - a$
15	$4x^2 + 5x - 5$