

National 5 Maths Expanding Brackets

SQA past paper and specimen paper
questions and answers by topic

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National 5 Maths
SQA 2014 Paper 1
Question 2

Multiply out the brackets and collect like terms:

$$(2x - 5)(3x + 1).$$

2

Answer:

$$6x^2 - 13x - 5$$

National 5 Maths
SQA 2015 Paper 1
Question 4

Multiply out the brackets and collect like terms

$$(x - 4)(x^2 + x - 2).$$

3

Answer:

$$x^3 - 3x^2 - 6x + 8$$

National 5 Maths
SQA 2017 Paper 1
Question 4

Expand and simplify $(2x + 3)(x^2 - 4x + 1)$.

3

Answer:

$$2x^3 - 5x^2 - 10x + 3$$

National 5 Maths
SQA 2018 Paper 1
Question 2

Expand and simplify $(3x+1)(x-1)+2(x^2-5)$.

3

Answer:

$$5x^2 - 2x - 11$$

National 5 Maths
SQA 2019 Paper 1
Question 3

Expand and simplify $(x+5)(2x^2-7x-3)$.

3

Answer:

$$2x^3 + 3x^2 - 38x - 15$$

National 5 Maths
SQA 2021 Paper 1
Question 3

Expand and simplify $(6x - 5)(x + 3) + 2x(4 - x)$.

3

Answer:

$$4x^2 + 21x - 15$$

National 5 Maths
SQA 2022 Paper 2
Question 1

Expand and simplify $(3x - 2)(2x^2 + 5x - 1)$.

3

Answer:

$$6x^3 + 11x^2 - 13x + 2$$

National 5 Maths
SQA 2023 Paper 1
Question 2

Expand and simplify $(x + 7)^2 + 6(x^2 - 10)$.

3

Answer:

$$7x^2 + 14x - 11$$

National 5 Maths
SQA 2024 Paper 1
Question 3

Expand and simplify $(x+1)(x^2-4x+5)$.

3

Answer:

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

National 5 Maths
SQA 2025 Paper 1
Question 2

Expand and simplify $(x + 3)(x + 5) + 4(x - 2)$.

3

Answer:

$$x^2 + 12x + 7$$