



THIRD SPACE
LEARNING

GCSE Exam Questions

Factorising Quadratics
(Double Brackets) | Algebra

GCSE Exam Questions: Factorising Quadratics (Double Brackets)**1) Factorise**

$x^2 + 3x - 10$

(2 marks)**2) Factorise**

$x^2 - 12x + 27$

(2 marks)**3) Factorise**

$x^2 - 14x + 45$

(2 marks)**4) Factorise**

$2y^2 - y - 3$

(2 marks)**5) Factorise**

$4x^2 - 2x - 2$

(2 marks)**6) Factorise**

$6p^2 - 5p + 1$

(2 marks)

GCSE Exam Questions: Factorising Quadratics (Double Brackets) Answers

	Question	Answer	Marks
1)	Factorise $x^2 + 3x - 10$	$(x \pm 2)(x \pm 5)$ $(x - 2)(x + 5)$	(1) (1)
2)	Factorise $x^2 + 12x + 27$	$(x \pm 3)(x \pm 9)$ $(x - 3)(x + 9)$	(1) (1)
3)	Factorise $x^2 - 14x + 45$	$(x \pm 5)(x \pm 9)$ $(x - 5)(x - 9)$	(1) (1)
4)	Factorise $2y^2 - y - 3$	$(2y \pm 3)(y \pm 1)$ $(2y - 3)(y + 1)$	(1) (1)
5)	Factorise $4x^2 - 2x - 2$	$(4x \pm 2)(x \pm 1)$ <i>oe</i> $2(2x + 1)(x - 1)$	(1) (1)
6)	Factorise $6p^2 - 5p + 1$	$(3p \pm 1)(2p \pm 1)$ $(3p - 1)(2p - 1)$	(1) (1)

Where to go next?

For more diagnostic questions, and GCSE maths revision resources and worksheets to support students in fixing any misconceptions take a look at the free Third Space Learning [GCSE maths revision](#) pages.

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