



THIRD SPACE
LEARNING

GCSE Exam Questions

Difference of Two Squares | Algebra

GCSE Exam Questions: Difference of Two Squares

1) Factorise

$x^2 - 100$

(2 marks)

1) Factorise

$y^2 - 49x^2$

(2 marks)

3) Factorise

$2x^2 - 50$

(2 marks)

4) Factorise

$4y^2 - 64$

(2 marks)

5) Factorise

$x^3 - 121x$

(2 marks)

6) Evaluate

$99^2 - 98^2$

(2 marks)

GCSE Exam Questions: Difference of Two Squares Answers

	Question	Answer	Marks
1)	Factorise $x^2 - 100$	$(x \pm 10)(x \pm 10)$ $(x + 10)(x - 10)$	(1) (1)
2)	Factorise $y^2 - 49x^2$	$(y \pm 7)(y \pm 7)$ $(y + 7x)(y - 7x)$	(1) (1)
3)	Factorise $2x^2 - 50$	$2(x^2 - 25)$ $2(x + 5)(x - 5)$	(1) (1)
4)	Factorise $4y^2 - 64$	$4(y^2 - 16)$ $4(y + 4)(y - 4)$	(1) (1)
5)	Factorise $x^3 - 121x$	$x(x^2 - 121)$ $x(x + 11)(x - 11)$	(1) (1)
6)	Evaluate $99^2 - 98^2$	$(99 + 98)(99 - 98)$ $197 \times 1 = 197$	(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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