

GCSE Mathematics

H

Difference of Two Squares

Higher | Grades 6-7

Total Marks	Time	Questions
44	44 min	20

Instructions:

- Do not use a calculator when you see: 
- Answer all questions in the spaces provided.
- Show all your working - marks are awarded for method as well as final answers.
- Cross through any work you do not want to be marked.
- Check your answers if you have time at the end.

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Edexcel-style questions**Q1** 

Grade 6

Edexcel style

Factorise $x^2 - 16$.

Answer _____

teachably

[1 mark]**Q2** 

Grade 6

Edexcel style

Factorise $4x^2 - 9$.

Answer _____

teachably

[2 marks]**Q3** 

Grade 6

Edexcel style

Factorise $x^2 - y^2$.

Answer _____

teachably

[2 marks]

Q4 

Grade 7

Edexcel style

Factorise fully $2x^2 - 32$.

Answer

teachably

[3 marks]**Q5** 

Grade 7

Edexcel style

Use the difference of two squares to work out $51^2 - 49^2$.

Answer

teachably

[3 marks]

AQA-style questions**Q6** 

Grade 6

AQA style

Factorise $x^2 - 25$.

Answer

teachably

[1 mark]**Q7** 

Grade 6

AQA style

Factorise $9x^2 - 16$.

Answer

teachably

[2 marks]**Q8** 

Grade 6

AQA style

Factorise $9a^2 - 4b^2$.

Answer

teachably

[2 marks]

Q9 

Grade 7

AQA style

Factorise fully $3x^2 - 75$.

Answer

teachably

[3 marks]**Q10** 

Grade 7

AQA style

Use the difference of two squares to work out $62^2 - 58^2$.

Answer

teachably

[3 marks]

OCR-style questions**Q11** 

Grade 6

OCR style

Factorise $x^2 - 49$.

Answer _____

teachably

[1 mark]**Q12** 

Grade 6

OCR style

Factorise $25x^2 - 4$.

Answer _____

teachably

[2 marks]**Q13** 

Grade 6

OCR style

Factorise $4p^2 - 25q^2$.

Answer _____

teachably

[2 marks]

Q14

Grade 7

OCR style

Factorise fully $5x^2 - 80$.

Answer

teachably

[3 marks]**Q15**

Grade 7

OCR style

Use the difference of two squares to work out $73^2 - 67^2$.

Answer

teachably

[3 marks]

Teachably-style questions**Q16** 

Grade 6

Teachably style

Factorise $x^2 - 81$.

Answer

teachably

[1 mark]**Q17** 

Grade 6

Teachably style

Factorise $16x^2 - 49$.

Answer

teachably

[2 marks]**Q18** 

Grade 6

Teachably style

Factorise $16m^2 - 9n^2$.

Answer

teachably

[2 marks]

Q19 

Grade 7

Teachably style

Factorise fully $4x^2 - 36$.

Answer

teachably

[3 marks]**Q20** 

Grade 7

Teachably style

Use the difference of two squares to work out $105^2 - 95^2$.

Answer

teachably

[3 marks]**END OF PAPER****Want help from an expert maths tutor?**

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