Name:

Exam Style Questions



Factorising Quadratics

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

- 1. Read each question carefully before you begin answering it.
- 2. Don't spend too long on one question.
- Attempt every question.
- 4. Check your answers seem right.
- 5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 118 Video 119

Video 120



Factorise x² + x − 6

$$(\chi+3)(\chi-\chi)$$

2. Factorise x2 + 5x + 6

3. Factorise x2 + 9x + 20

4. Factorise x2 + 10x + 9

5. Factorise x² - 7x + 12

6. Factorise x2 - 2x - 24

7. Factorise x² - 6x - 27

$$(x-q)(x+3)$$

Factorise x² – 36

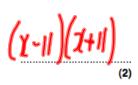
9. Factorise x2 + 5x - 24



10. Factorise x2 + 8x + 16



11. Factorise x2 - 121



12. Factorise x2 + 7x - 78

13. Factorise x2 + 4x - 12

$$(\Upsilon + f)(\chi - \lambda)$$

14. Factorise x2 - 25

15. Factorise y2 - 9y + 14

16. Factorise y2 - 9w2

$$(y+3w)(y-3w)$$

17. Factorise x² − 38x + 72

18. Factorise x2 + 14x - 51

19. Factorise y2 + 32y + 240

20. Factorise y2 - 12y - 64

21. Factorise 2y2 + 7y - 15

22. Factorise fully 2y2 - 50

23. Factorise y2 - 13y + 36

$$(y-9)(y-4)$$

24. Factorise 2w2 - 9w + 4

25. Factorise 2x2 + 5x + 2

$$\left(\frac{3}{2}+1\right)\left(1+2\right)$$

26. Factorise 2y2 + 7y - 15

27. Factorise 3y2 + 10y - 8

$$(3y - 2)(y + 4)$$

28. Factorise 6w2 - 11w - 10

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

29. Factorise 7x2 + 8x + 1

30. Factorise 8y2 + 10y - 3

31. Factorise 24y2 + 19y + 2

32. Factorise 6w2 - 7w - 10

$$(6x+5)(1-2)$$