Level 2 Further Maths

**Factorising**

Ensure you have: Pencil or pen

**Guidance**

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

**Revision for this topic**

[www.corbettmaths.com/more/further-maths/](http://www.corbettmaths.com/more/further-maths/)
1. Factorise \( 9y^2 - 7y \)

2. Factorise fully \( 8x^3 + 6x^2 \)

3. Factorise fully \( 9abc - 27bcd \)
4. Factorise fully $8ab^2 + 12a^2b - 24b^3c^2$

5. Factorise fully $15xy^3z + 20x^2y^4z$

6. Factorise fully $7a^5b^2 - 4a^4b^3 + 9a^6b$
7. Factorise fully \((x + 5)^4 + (x + 5)^3\)

Do not attempt to expand brackets.

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(2)

8. Factorise fully \((y + 2)^7 - (y + 2)^6\)

Do not attempt to expand brackets.

…………………………..

(2)

9. Factorise fully \(6(x + 1)^4 + 8(x + 1)^3\)

Do not attempt to expand brackets.

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(3)
10. Factorise fully \((x + 9)^7 + (x + 9)^6(2x - 1)\)

Do not attempt to expand brackets.

11. Factorise fully \((y + 2)^4 - (y + 2)^3(y - 1)\)

Do not attempt to expand brackets.