

WJEC MATHEMATICS

**HIGHER**  
3 TIER TOPICS

**FACTORISING**

**@MrGoreMaths.**

Spec 1 – Maths – P2

7. Factorise  $x^2 - x - 20$ , and hence solve  $x^2 - x - 20 = 0$ . [3]

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Spec 1 – Maths – P2

(b) Simplify  $\frac{49x^2 - 100}{14x + 20}$ . [4]

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Spec 2 – Maths – P1

(b) Factorise  $6a^2 - 8ab$ . [2]

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Spec 2 – Maths – P2

15. Simplify  $\frac{2x^2 + 13x + 21}{4x^2 - 49}$ .

[5]

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Spec 2 – Maths – P2

7. (a) Factorise  $x^2 - 4x - 21$ , and hence solve  $x^2 - 4x - 21 = 0$ .

[3]

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Nov 2016 – Maths – P1

(b) Factorise  $6x^2 - 12x$ .

[2]

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Nov 2016 – Maths – P2

9. (a) Factorise  $x^2 - 2x - 24$ , and hence solve  $x^2 - 2x - 24 = 0$ . [3]

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Nov 2016 – Maths – P2

12. (a) Factorise  $(x - 7)^2 + 2(x - 7)$ . [2]

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- (b) Factorise  $12x^2 - 27y^2$ . [3]

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June 2017 – Maths – P2

(a) Factorise  $x^3 - 5x$ . [1]

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(c) Factorise  $x^2 - 3x - 28$ . [2]

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