**Methods for Integration**

What do the questions for each method look like?

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| --- | --- | --- | --- | --- |
| Inverse Chain Rule | Partial Fractions | Logarithms | Integration by Parts | Integration by Substitution |

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What should I look for to recognise each method?

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| Order of function outside the bracket is one less than order of function inside. | Factors in the denominator | Numerator is (a multiple of) the differential of the denominator | Product of two functions | A function within a function |

What else might the questions look like?

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Anything else I should know about this method?

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| “Integrate whole thing then *divide* by the differential of the function inside” | You’ll need to be able to integrate functions such as… | Remember this… | Start with…  and  Aim to make the function inside the integral simpler | Start with… |

**Methods for Integration**

Practice Questions

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| --- | --- | --- | --- | --- |
| Inverse Chain Rule  Integrate these: | Partial Fractions  Integrate these: | Logarithms  Integrate these: | Integration by Parts  Integrate these: | Integration by Substitution  Integrate these: |

You choose the method

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**Methods for Integration - Answers**

Practice Questions

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| --- | --- | --- | --- | --- |
| Inverse Chain Rule  Integrate these: | Partial Fractions  Integrate these: | Logarithms  Integrate these: | Integration by Parts  Integrate these: | Integration by Substitution  Integrate these: |

You choose the method

|  |  |  |  |  |  |
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