

Paper Reference 9FM0/3A
Pearson Edexcel Level 3 GCE
Further Mathematics

Advanced
PAPER 3A: Further Pure Mathematics 1
Wednesday 18 June 2025 – Afternoon
Time: 1 hour 30 minutes

Diagram Booklet

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INSTRUCTIONS

There may be spare copies of some diagrams.

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Spare Copies

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Question 1

x	y
1·5	2·73
1·75	2·81
2	
2·25	5·22
2·5	16·31

Question 2

The Taylor series expansion of $f(x)$ about $x = a$ is

given by

$$f(x) = f(a) + (x - a)f'(a) + \frac{(x - a)^2}{2!}f''(a) + \dots$$
$$+ \frac{(x - a)^r}{r!}f^{(r)}(a) + \dots$$

Question 1 – spare copy

x	y
1·5	2·73
1·75	2·81
2	
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