


Numerical Methods (MATH2300 PP)

Question 1

Not yet answered

Marked out of 1.00

 Flag questionValue of the forward difference Δf_n is

Select one:

☐ a.

$$f_{n+1} - f_n$$

☒ b.

$$f_n - f_{n+1}$$

☐ c.

$$f_{n+1} - f_{n-1}$$

☐ d.


$$f_{n+1} + f_n$$

[Clear my choice](#)

Question 2

Not yet answered

Marked out of 1.00

 Flag questionThe value of $\int_0^4 1 \, dx$ by Simpson's 1/3 rule (taking $n = 8$) is

Select one:

☒ a. 4☐ b. 6☐ c. 3☐ d. 5[Clear my choice](#)


Quiz navigation

 [Finish attempt ...](#)Time left **0:29:52**

Question 3

Not yet answered

Marked out of 1.00

 Flag question

The value of $\int_0^1 x^3 dx$ by Trapezoidal rule (taking $h = 0.2$) is

Select one:


- ☒ a. 0.24
- ☐ b. 0.25
- ☐ c. 0.255
- ☐ d. 0.26

[Clear my choice](#)

Question 4

Not yet answered

Marked out of 1.00

 Flag question

The number of strips required in Simpson's 1/3 rule is a multiple of

Select one:


- ☐ a. 6
- ☒ b. 2
- ☐ c. 1
- ☐ d. 3

[Clear my choice](#)

Question 5

Not yet answered

Marked out of 1.00

 Flag question

Order of the Simpson's 3/8 rule is

Select one:

- ☐ a. 4
- ☐ b. 1
- ☒ c. 3
- ☐ d. 2

[Clear my choice](#)


Search

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- ☐ b. 0.25
- ☐ c. 0.255
- ☐ d. 0.26

[Clear my choice](#)

Question 4


Not yet
answeredMarked out of
1.00 Flag questionThe number of strips required in Simpson's $1/3$ rule is a multiple of

Select one:

- ☐ a. 6
- ☒ b. 2
- ☐ c. 1
- ☐ d. 3

[Clear my choice](#)

Question 5

Not yet
answeredMarked out of
1.00 Flag questionOrder of the Simpson's $3/8$ rule is

Select one:

- ☐ a. 4
- ☐ b. 1
- ☒ c. 3
- ☐ d. 2

[Clear my choice](#)

Finish attempt ...

