

2021 September Moderation - Report



Meeting Details

Which meeting is this report for? Mathematics Methods Level 4

Moderation Details for Calibration - Sample 1

Sample 1 - What rating (or ratings) has the group assigned this sample?	B+
Sample 1 - What evidence supports the rating (or ratings) the group has given?	<ul style="list-style-type: none">- applies differentiation rules to differentiate products, quotients, rational functions and simple composite expressions- finds and justifies stationary points of routine functions and interprets the results.- can deduce the graph of a derivative from the graph of a polynomial or other simple functions
Sample 1 - What evidence would you need to see in order to assign a higher rating (or ratings)?	<p>First Principles</p> <p>Easier questions were missed</p> <p>Not understanding the constant e</p> <p>More working for some questions</p> <p>Units were an issue</p> <p>Not enough communication on occasions</p>
Sample 1 - Summary of group consensus with comments to element level if applicable.	<p>8 Groups gave ratings as follows: B+ B+ B+ B+ B+ B+ A- B</p> <p>Group consensus was a B+ rating</p>
Sample 1 - What actions would you recommend for teachers to help the student attain a higher rating (or ratings)?	<p>More support with First Principles</p> <p>Emphasise the need for care with easier questions</p> <p>Emphasise the importance of worked answers</p> <p>Remember to include units</p>

Moderation Details for Calibration - Sample 2

Sample 2 - What rating (or ratings) has the group assigned this sample?

C+

Sample 2 - What evidence supports the rating (or ratings) the group has given?

- applies differentiation rules to differentiate expressions
- can use the definition of derivative to differentiate a linear expression
- Understanding of stationary points

Sample 2 - What evidence would you need to see in order to assign a higher rating (or ratings)?

Answer more questions
 Weren't accessing enough of the questions
 Questions not attempted
 Didn't get started on the abstract questions

Sample 2 - Summary of group consensus with comments to element level if applicable.

Group Ratings - C+ C+ C+ C+ C+ B- B- B-
 Group consensus C+

Sample 2 - What actions would you recommend for teachers to help the student attain a higher rating (or ratings)?

Encourage student not to leave blank answers
 Practice and support for more difficult A standard questions

Moderation Details for Calibration - Sample 3

Sample 3 - What rating (or ratings) has the group assigned this sample?

C

Sample 3 - What evidence supports the rating (or ratings) the group has given?

- can use the definition of derivative to differentiate a linear expression
- applies differentiation rules to differentiate simple expressions
- can deduce the graph of a derivative from the graph of a polynomial or other simple functions
- finds the stationary points of routine functions (issues though with classifying)

Sample 3 - What evidence would you need to see in order to assign a higher rating (or ratings)?

Classifying stationary points
 Algebraic techniques
 Average Rate of Change

Sample 3 - Summary of group consensus with comments to element level if applicable.

8 Groups - C C C C C C C C
 VERY STRONG CONSENSUS!

Sample 3 - What actions would you recommend for teachers to help the student attain a higher rating (or ratings)?

Rate of Change is an area of development
 Support with algebraic manipulation

Planning for March Moderation 2022 - Statewide Samples

For all courses please nominate the criteria and elements (if desired) for moderation.

Criteria 1 and 8

State the name of the person who will be providing the samples for moderation

Cassandra Olive

Sharing Resources

Please record any links to or details of resources that were shared, or describe any assessment strategies that were discussed.

Time was almost expired by the time we had considered the samples so there was no further discussion. Josh Moore did address the group at the start regarding the way forward for Mathematics in the Year 9 to 12 review.

Course Support

Please provide details of any future focus and ways forward you would like Years 9 to 12 Learning to consider in relation to this course:

Further discussion on the course development for the Maths Methods 4 new course.