

Assessed student work

Example 5: Newton-Raphson

General guidance

How to use this

teacher support

material

Teacher

responsibilities

Skills and strategies

required by students

Developing the

exploration

Use of technology

Planning

Authenticity

Assessment criteria

Record keeping

Assessed student

Overview

Examples of

explorations

Example 1

Example 2

Example 3

Example 4

Example 5

Example 6

Example 7

Example 8

Example 9

Example 10

Example 11

Example 12

Example 13 Example 14

Example 15

Example 16

Example 17

Example 18

Example 19

Example 20 Example 21

Frequently asked

questions

Assessment

Criterion	А	В	С	D	E (SL)	E (HL)	Total (SL)	Total (HL)
Achievement level awarded	2	2	2	1	4	2	11	9
Maximum possible achievement level	4	3	4	3	6	6	20	20



Student work (PDF)



Annotaated student work (PDF)

Comments

Criterion A: Communication

A2—There is an aim and a rationale in an introduction, but there is a lack of explanations throughout. For example, on page 4, where do the numbers in the table come from? The diagrams do not aid the explanations very much.



Comments

Criterion B: Mathematical presentation

B2—There is inconsistent use of terminology, for example, "root or zero" on page 7. There is some appropriate use of ICT tools.

Criterion C: Personal engagement

C2—The student does apply some unfamiliar mathematics, and some research has taken place. Some examples were created, but not followed through.

Criterion D: Reflection

D1—There is very limited and superficial reflection. Opportunities for reflection were not taken.

SL Criterion E: Use of mathematics

E4—The mathematics used is mostly correct. The student can apply the method, but there is no evidence of understanding why it works.

HL Criterion E: Use of mathematics

E2—There is partial, rather than good, understanding.



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