

Mathematics 30-1 & Mathematics 30-2

Diploma Exam Fact Sheet

General Information

Starting in the 2018-2019 school year, the Mathematics 30-1 and the Mathematics 30-2 Diploma Exams contain a written-response component.

Sample questions and scoring guides are posted on [Alberta Education's website](#). Information about the design of the written-response questions was also shared at information sessions through the [Alberta Regional Professional Development Consortia \(ARPDC\)](#).

Students will be able to use approved calculators on the Mathematics 30-1 and Mathematics 30-2 Diploma Exams that contain written response. However, students will be required to demonstrate their algebraic skills, their conceptual understanding, and their mathematical communication skills in the written-response questions. Students will not be able to obtain full credit for a response without supporting work.



Exam Security and Equating

The written-response component and the machine-scored component of all Mathematics 30-1 and Mathematics 30-2 Diploma Exams are written at the same time using a single exam booklet.

The Mathematics 30-1 and Mathematics 30-2 Diploma Exams with a written-response component will be equated. A baseline for each exam was set in 2017. More information about equating is available on [Alberta Education's website](#).

All Mathematics 30-1 and Mathematics 30-2 Diploma Exams will remain secured after every administration for equating purposes.

Marking and Scoring

Students record their answers to the machine-scored questions on sheets that are processed by scanners. These scanners record the student's responses and take a digital "picture" of the sheet. The scanners also identify anomalous sheets that are manually reviewed.

Students record their answers to the written-response questions in the exam booklet, and Alberta teachers mark these questions. The teacher-markers are trained to mark the student responses using a scoring rubric. Procedures are also in place during the marking session to ensure that the scoring is consistent and fair.

Reporting Results

Students' Results Statements will contain the total exam mark as well as the raw score mark of the written-response component. This information will help students decide whether they want to request a rescore.

A more detailed breakdown of a student's score is provided on the detailed reports available to teachers, schools, and school authorities for major administrations. Students may wish to discuss this detailed breakdown with their teacher.

Students wishing to rewrite the Mathematics 30-1 or the Mathematics 30-2 Diploma Exam must rewrite the entire exam.

Contacts

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