# Mathematics 30-1 & Mathematics 30-2

# Diploma Exam Fact Sheet

### **General Information**

All Mathematics 30-1 and Mathematics 30-2 Diploma Exams contain a machine-scored component and a written-response component

Sample questions and scoring guides are posted on Alberta Education's website.

Students can use approved calculators that have been properly cleared and configured on the Mathematics 30-1 and Mathematics 30-2 Diploma Exams. However, students are 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 machine-scored component and the writtenresponse 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 are equated. A baseline for each exam was set in 2017. More information about equating is available on <u>Alberta Education's website</u>.

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 machinescored 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 writtenresponse questions in the exam booklet, and Alberta teachers mark these questions. The teachermarkers are trained to mark the student responses using a scoring guide. Procedures are also in place during the marking session to ensure that the scoring is consistent and fair.

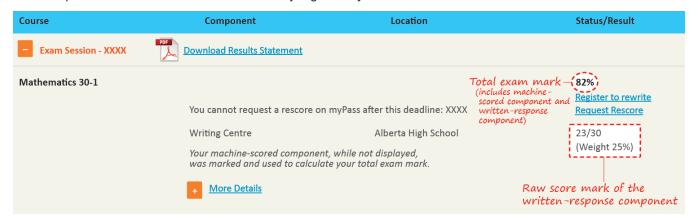
### Reporting Results

The machine-scored component is worth 75% of the total exam mark. The written-response component is worth 25% of the total exam mark.

Students' Results Statements 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.



An example of what students will see when they log into *myPass* is shown below.



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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