

# Mathematics 30-1 & Mathematics 30-2

## Diploma Exam Fact Sheet

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### 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 written-response 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 [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 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.

Course	Component	Location	Status/Result
Exam Session - XXXX	 <a href="#">Download Results Statement</a>		
Mathematics 30-1	<p>You cannot request a rescore on myPass after this deadline: XXXX</p> <p>Writing Centre</p> <p><i>Your machine-scored component, while not displayed, was marked and used to calculate your total exam mark.</i></p> <p> <a href="#">More Details</a></p>	Alberta High School	<p>Total exam mark <b>82%</b> <i>(includes machine-scored component and written-response component)</i></p> <p><a href="#">Register to rewrite</a> <a href="#">Request Rescore</a></p> <p><b>23/30</b> (Weight 25%)</p> <p><i>Raw score mark of the written-response component</i></p>

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

For further information about the written response for Math 30-1, please contact:

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For further information about the written response for Math 30-2, please contact:

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For further information about diploma exams, please contact:

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