



Nova Scotia Examinations (NSE) Advanced Mathematics 12

Purpose

The NSE in Advanced Mathematics is designed to evaluate student achievement in relation to the outcomes for Advanced Mathematics 12 prescribed by the Atlantic Canada Mathematics Curriculum. The examination results contribute 30% to the students' final course mark.

Participants

All students registered in Advanced Mathematics 12 are required to write the corresponding NSE. Students who have an Individual Program Plan (IPP), and have a different set of mathematics outcomes, do not participate in the examination.

Development

The NSE Mathematics Advisory Group, comprised of senior high school mathematics teachers representing all school boards in Nova Scotia, assist in the development of examinations. The advisory group, under the guidance of department staff, follow the examination development procedures outlined in the Nova Scotia Examination Development Model. As well, an examination review team comprised of experienced senior high mathematics teachers review and approve the final examination forms for each administration. All processes, examination development, administration, marking, and reporting are facilitated by the Evaluation Services Division of the Department of Education.

Description

Questions are written to match outcomes in the curriculum and these are field tested with students in Nova Scotia schools. Following an analysis of the field test results, an examination is constructed according to precise specifications.

Examination questions, either in selected response or constructed response format, are used to evaluate students' mathematical thinking and understanding in relation to quadratics, exponentials, geometry, and probability.

Scoring/Reporting

The assessment is scored by the Advanced Mathematics 12 teachers following a guide provided by Evaluation Services Division and then all copies are sent to the Department of Education. Marking sessions are held to score a representative sample in order to provide results to be included in the *Minister's Report to Parents*.

Additional Information

For additional information, you may visit the Department of Education's Evaluation Services website at <http://PLANS.EDnet.ns.ca>.

