



The CENTRE for EDUCATION
in MATHEMATICS and COMPUTING
cemc.uwaterloo.ca

**2020 CANADIAN SENIOR AND INTERMEDIATE
MATHEMATICS CONTESTS**

Wednesday, November 18, 2020
(in North America and South America)

Thursday, November 19, 2020
(outside of North America and South America)

INSTRUCTIONS TO SUPERVISOR

Each student will need:

- (a) A Student Information Form.
- (b) A Contest answer booklet.
- (c) A Contest paper

The Student Information Form and Contest answer booklet should be obtained from the school before the day of the contest, either as physical copies or as electronic files to be printed out. The Contest paper will be delivered to you electronically on the day of the contest.

General Rules and Procedures

1. The Canadian Senior and Intermediate Mathematics Contests are to be completed by students individually, without assistance. No student may write more than one of these Contests.
2. Calculating devices are allowed, provided that they do not have any of the following features: (i) internet access, (ii) the ability to communicate with other devices, (iii) information previously stored by students (such as formulas, programs, notes, etc.), (iv) a computer algebra system, (v) dynamic geometry software. While calculators may be used for numerical calculations, other mathematical steps must be shown and justified in written solutions and specific marks may be allocated for these steps. For example, while a calculator might be able to find the x -intercepts of an equation like $y = x^3 - x$, students should show the algebraic steps that they used to find these numbers, rather than simply writing these numbers down.
3. Students may use paper dictionaries for translation between English and another language. Students may not use electronic translation devices.
4. Students are allowed to use rough paper, rulers and compasses.
5. The Contests are to be written as early as possible in the morning (preferably at 9:00 a.m.) on CONTEST DAY. **Under no circumstance is it permissible to have any student write a contest before this time.**

What Must Be Done On CONTEST DAY

1. Ensure that each student has an HB pencil, a Contest paper, a Student Information Form, and a Contest answer booklet. It is essential that each student supply the information requested on the front of the answer booklet and the Student Information Form. Students who received their Student Information Form electronically must write their school name and school number (9-digit number supplied to you by the school) on the form. Without this information, the student's results may not be provided.
2. Read through the Students' Instructions printed on the front of the Contest papers with the contestants. They **MUST NOT** open their Contest papers until instructed to do so.
3. Each student is allowed exactly **TWO HOURS** working time.

4. Maintain the integrity of the Contests by preventing communication between participants, ensuring students work individually, and ensuring that students do not have access to additional materials while writing.
5. At the completion of the Contest, instruct the students to insert the Student Information Forms behind the front cover of the answer booklet, along with any extra paper used for solutions. Students should put their name and their school name on all extra paper used.
6. The students are encouraged to keep the Contest papers. Solutions will be posted on the CEMC website by December 9, 2020.

IMPORTANT NOTE:

When the booklets are handed in, the supervisor should check that all student information on the Student Information Forms is correctly and completely coded, and that students have signed the declaration on the front of the answer booklet. Students are not required to provide their Gender. PARTICULAR ATTENTION SHOULD BE GIVEN TO DATE OF BIRTH, GRADE AND THE QUESTION MARKED “IMPORTANT” ON THE STUDENT INFORMATION FORM. The CEMC cannot take responsibility if students are declared unofficial or disqualified because they fail to supply the required information.

Returning Contests for Marking

The Supervisor form, answer booklets and Student Information Forms must be returned to the student's school or to the CEMC, **as directed by the school**. **Please return the package as soon as possible to ensure its arrival at the CEMC in Waterloo by our early December marking period.** If you are returning the papers directly to the CEMC, we strongly recommend that the materials be returned by COURIER.

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Waterloo, ON N2L 3G1
CANADA

Please note that the cost of returning the contest for marking is the responsibility of the contestants.

CONTEST SUPERVISOR FORM

(This form MUST be returned with the completed papers.)

SUPERVISOR'S NAME: _____

SUPERVISOR'S ADDRESS: _____

TELEPHONE NUMBER: _____

Number of completed
papers being submitted: _____

Names of students _____

DECLARATION:

I declare that:

1. The students did not see the Contest questions before beginning to write the Contest.
2. The contestant(s) wrote the Contest from the time of _____ until _____ on the date _____.
3. There were no changes made in the answers given following completion of the time allowed for the Contest.

Contest Supervisor Signature: _____