

Intermediate Mathematics Provincial Assessment 2007

Last Name: _____ First Name: _____ MI: _____

Teacher: _____

School Name: _____ School District: _____

IMPORTANT

You will have to complete your name and school information in three places:

- (1) On this sheet (above)
- (2) On the bubble sheet
- (3) On the cover of your Student Booklet

Please ensure the information in each of these places is completed correctly and clearly. Your bubble sheet will be placed inside this Section 1 Insert for mailing so pay particular attention that the bubble sheet and Insert information are correct.

Section 1: Non-Calculator Section

You will need a pencil, paper, and ruler for this section but you are not permitted the use of a calculator.

Questions, 1-7 require you to write, draw, or graph your responses in the space provided in this booklet. Do not use your bubble sheet for these questions. Section 1 should take about 20 minutes.

Your teacher will collect Section 1 when everyone is finished and will then give you Section 2. You will need your bubble sheet for Section 3 only.

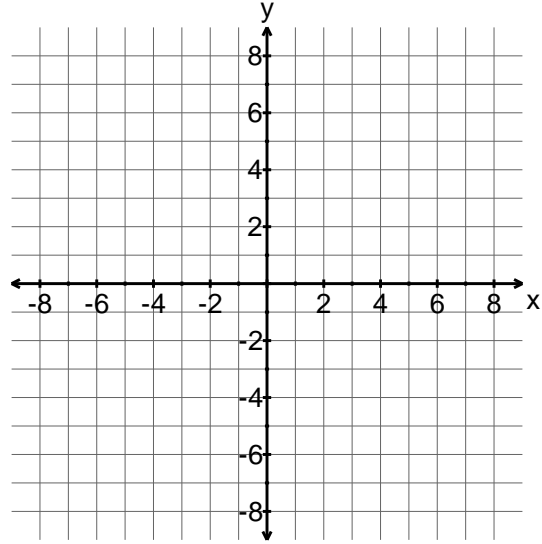
Section 1 Insert

1. Factor completely: $x^2 + 2x - 15$

2. Calculate $(8 \times 10^8) \times (5 \times 10^{-3})$ expressing your answer in scientific notation.

3. Solve: $-3(x - 2) < 9$

4. Using the axes provided, graph the line having slope of 2 and a y -intercept of -3 .



5. Expand and simplify: $(2x + 3)^2$

6. Solve: $4x + 12 = -2x - 6$

7. Calculate: $\frac{1}{2} + \frac{4}{3} \times \frac{-1}{3}$