

Intermediate Mathematics Provincial Assessment 2008

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: $6xy^3 - 4x^2y$

___ out of 1 mark

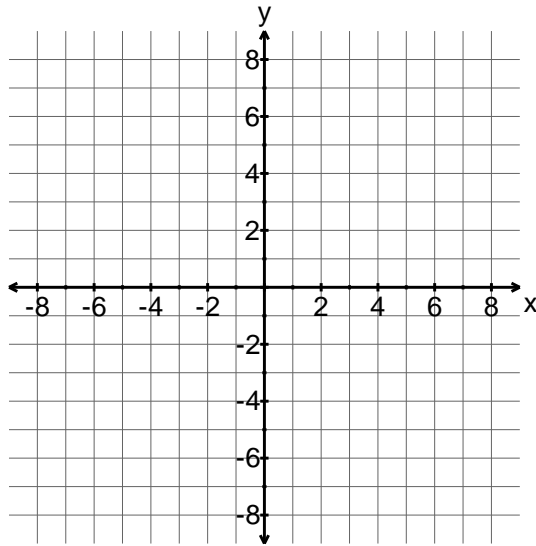
2. Calculate $(7 \times 10^{-5}) \times (8 \times 10^{12})$ expressing your answer in scientific notation.

___ out of 1 mark

3. Simplify: $(4x^2 - 7x + 5) + (-3x^2 + 2x + 5)$

___ out of 1 mark

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



___ out of 1 mark

5. Solve: $-2x + 1 < 9$

___ out of 1 mark

6. Solve: $-2x + 8 = 3(4 - 2x)$

___ out of 1 mark

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

___ out of 1 mark