

Situational Problem
(Competency 1)

MAJOR ASSIGNMENT

GRADE-11 MATH (MCU504)
Cultural, Social and Technical Option

ANSWER BOOKLET

Title: Gatineau Toy Company

Name: _____

Section: _____

Date: December 05, 2014

MARKING: FOR TEACHER USE ONLY

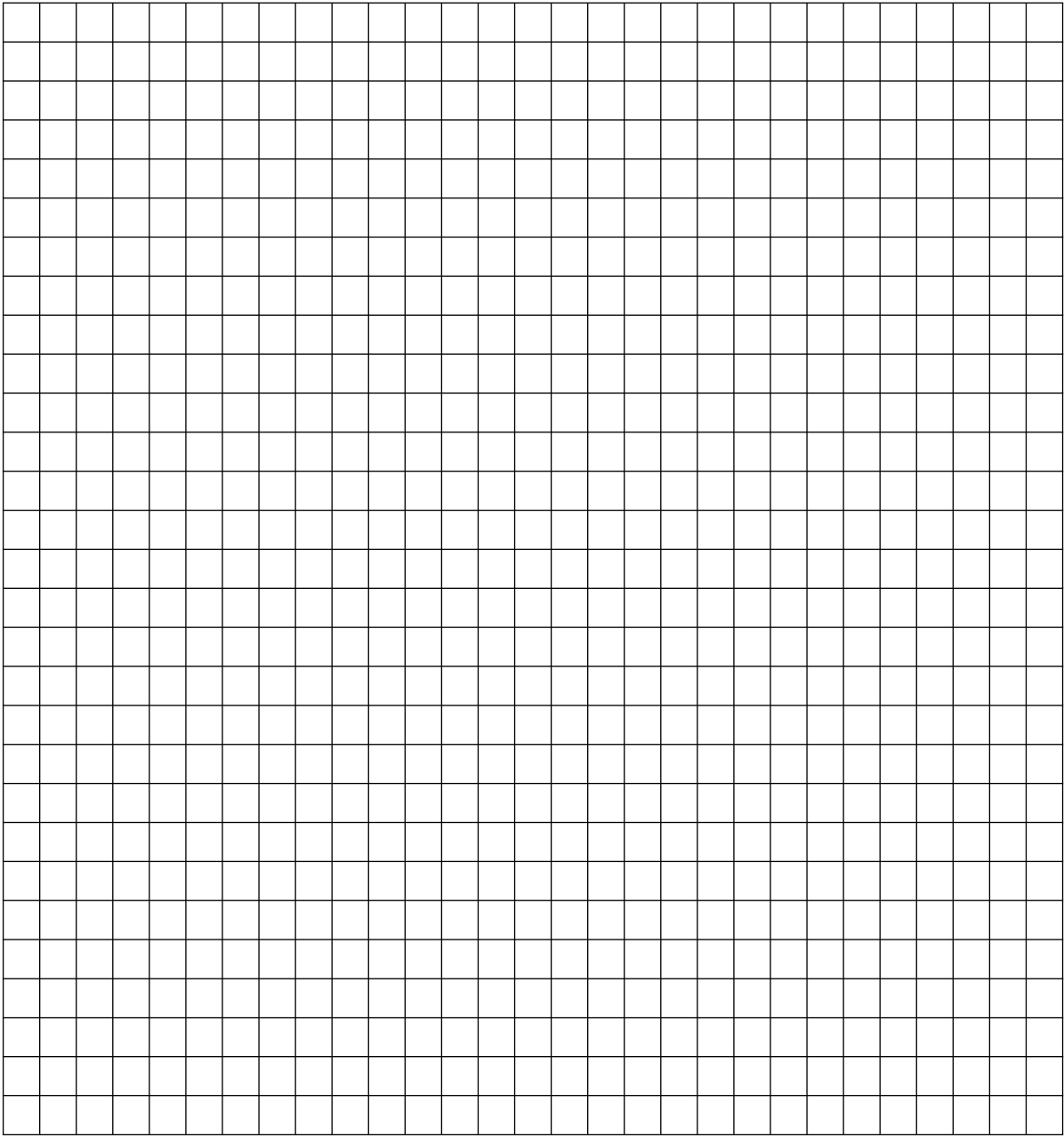
| | | | | | | | | | | | | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|---|---|---|
| Criterion 1 | Shows understanding of the situational problem | 40 | 36 | 32 | 28 | 24 | 20 | 16 | 12 | 8 | 4 | 0 |
| Criterion 2 | Uses mathematical knowledge that is applicable to the situational problem | 40 | 36 | 32 | 28 | 24 | 20 | 16 | 12 | 8 | 4 | 0 |
| Criterion 3 | Develops an appropriate solution to the situational problem and shows clear procedures and steps, final results and a conclusion | | | | | | 20 | 16 | 12 | 8 | 4 | 0 |
| Criterion 4 | Shows appropriate validation of the steps in the solution | | | | | | | | | | | |

STUDENT MARK: _____

Gatineau Toy Company

Let x : number of robots
 Y : number of challenger boards

SHOW ALL YOUR WORK



- a) The maximum weekly profit of the company is: _____dollars
- b) The increase in minimum revenue between this week and next is: _____dollars