



**Toronto Prep School**  
**MCR3U**  
**Functions 11**  
**Final Examination**

Teacher: Mr. Nathan Oldridge

Date: Friday, January 20, 2012

Time: 10:00 AM to 12:00 PM

Total Marks: 120

Student Name: \_\_\_\_\_

**Instructions:**

1. This exam includes fourteen (14) pages (including the cover page, and the last page which contains reference material).
2. Read all of the questions and associated instructions very carefully.
3. Do all of the work on this exam. Use the back of the sheet for additional space.
4. You may use your calculator (provided we are allowed to reset it) or one of the provided calculators.
5. Manage your time.
6. Show ALL of your work to get full marks.
7. Leaving questions blank is not advised, since you may receive part marks even if an answer is incorrect.

**Examination Breakdown:**

Section	Marks	Suggested Time
Chapter 1 – Introduction to Functions	19	15 minutes
Chapter 2 – Exploring Functions	19	15 minutes
Chapter 3 – Exponential Functions	21	15 minutes
Chapter 4 – Trigonometry (Geometry)	21	15 minutes
Chapter 5 – Trigonometry (Functions)	21	15 minutes
Chapter 6 and 7 – Sequences and Series, Financial Math	19	15 minutes
Review / Proofreading Time		30 minutes
<b>Total</b>	<b>120</b>	<b>120 minutes</b>

**Mark Breakdown by Category:**

	Ch 1	Ch 2	Ch 3	Ch 4	Ch 5	Ch 6 and 7	Total
<b>Knowledge</b>	7	5	6	7	4	10	<b>39</b>
<b>Inquiry (Thinking)</b>	4	6	5	6	4	3	<b>28</b>
<b>Communication</b>	4	6	4	2	4	0	<b>20</b>
<b>Application</b>	4	2	6	6	9	6	<b>33</b>

Remember to check your exam over before you hand it in!

Best of luck to you all!