Department of Mathematics and Science

4750 Yonge St. Toronto, Ontario Canada M2N 5M6
admissions@evaschool.ca

BSID:887678

MCR3U Checkpoint 2

Name: _____ **Score:** _____/10

Teacher: _____ **Date:** _____ **Time:** _____

Learning Goals:
• **Students apply what they have learned in the Chapters 4 – 6.**
Overall Expectations
- Demonstrate an understanding of tactics one can use in dealing with solving exponential equations - Determine the differences that exist between trigonometric equations and identities
Specific Expectations
- Recognize that there can be some scenarios when one has to solve exponential equations - Distinguish trigonometric equations and trigonometric identities with the use of supportive examples and highlight the knowledgeable facts of both

T: / 5	**C: / 5**

Purpose of Assessment: Assessment OF Learning
Method of Assessment: KTCA Four Level +/-

Instructions:

This assessment has 2 parts:

Part 1: Respond to the problem attached and make certain you answer all that the question asks you.

Part 2: Record a video of yourself talking about the responses you made for the question. Please note that your video need to have a MAXIMUM 3-minute without failing to explain all parts of the question included in the assessment. "**Upload your video ONLY to Google drive within your MCR3U folder when you have done."**

NOTE: If your video goes beyond 3 minutes, only work up until 3 minutes will be marked.

NOTE: You will be granted the mark of 0 if any of the following occur:

· Audio file is missed in the video.

· The pictures of your solutions and your face are blurry or missing or inaccessible.

NOTE: This is one time submission and resubmission is not allowed.

THINKING/INQUIRY **5**

Broadly explain about the followings:

- **Solving exponential equations**
- **Trigonometric equations vs Trigonometric identities**

Marking Scheme: (5 marks)

- ***Brief but complete facts covered on the topic of solving exponential equations 2 marks***
- ***Provide the major differences exist between trigonometric equations and trigonometric identities with some supportive examples 3 marks***

COMMUNICATION 5

This is the part which you have to make it completed by recording yourself explaining what you in all parts of the previous section and upload the video on the Google drive inside of your MCR3U folder.

The marking criteria are shown below.

	0-49% **2.5 marks**	**50-59%** **3 marks**	**60-69%** **3.5 marks**	**70-79%** **4 marks**	**80-100%** **5 marks**
Expression and organization of ideas and mathematical thinking using oral, visual and written forms	Fails to express and organize ideas and mathematical thinking using oral, visual and written forms	Express and organize ideas and mathematical thinking using oral, visual and written forms with limited effectiveness	Express and organize ideas and mathematical thinking using oral, visual and written forms with some effectiveness	Express and organize ideas and mathematical thinking using oral, visual and written forms with considerable effectiveness	Express and organize ideas and mathematical thinking using oral, visual and written forms with a high degree of effectiveness
Communication for different audiences and purposes, in oral, visual and written forms	Fails to communicate for different audiences and purpose in oral, visual and written forms	Communicates for different audiences and purposes with limited effectiveness	Communicates for different audiences and purposes with some effectiveness	Communicates for different audiences and purposes with considerable effectiveness	Communicates for different audiences and purposes with a high degree of effectiveness
Use of conventions, vocabulary and terminology of mathematics in oral, visual and written forms	Fails to use conventions, vocabulary and terminology of mathematics effectively	Uses conventions, vocabulary and terminology of mathematics with limited effectiveness	Uses conventions, vocabulary and terminology of mathematics with some effectiveness	Uses conventions, vocabulary and terminology of mathematics with considerable effectiveness	Uses conventions, vocabulary and terminology of mathematics with a high degree of effectiveness