

Grade 8th

Distance Learning Module 2: Week of: April 6 - 10

Content Area: MATH Course Title - *Modified from Unit F - Beyond Straight Lines*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression.

Vocabulary: Radical or Radical number, Radicand, Simplify the Radicand

Skills: Students will: Simplify Radicals and Perform all 4 operations with Radicals

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or Khan Academy)
Monday: <ul style="list-style-type: none">• Watch a Khan Academy Videos on how to simplify square roots (radicand).• Practice Simplifying Square Roots (Khan Academy Practice)	Instruction: <u>Simplifying Square Roots (Khan Video)</u> <u>Simplifying Square Roots with variables(Khan)</u> Vocabulary: Radical or Radical Number - a number that has the square root symbol Radicand - the number or variable inside the square root Simplify the Radicand - When the number inside the square root has no more perfect square factors Practice:	DO NOT use these links to Khan Academy. Log into your Khan account and complete these assignments through your individual teacher's Khan class. Teachers will assign these in their Khan classes. <u>Simplifying Square Roots Practice (Khan)</u> <u>Simplifying Square Roots variables Practice (Khan)</u>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or Khan Academy)
	<u>Extra practice (optional)</u> - PDF worksheets with answers	
Tuesday: <ul style="list-style-type: none"> • Watch videos on adding and subtracting Square roots • Practice adding and subtracting Square roots 	Instruction: <u>Adding and subtracting video 1 (youtube)</u> <u>Adding and subtracting Video 2 (youtube)</u> Practice: <u>Online practice</u> <u>Extra practice (optional)</u> - PDF worksheets with answers	<u>Check - in (google form)</u> Do in your individual teacher's google classroom only
Wednesday: <ul style="list-style-type: none"> • Watch video on multiplying and dividing Square roots • Practice multiplying and dividing Square root 	Instruction: <u>Simplifying Square roots by multiplying and dividing (youtube video)</u> Practice: <u>Multiplying and dividing practice</u> - Pdf worksheet with answers do problems 1, 3, 7, 11, 19, 21, 27	<u>Check-in (google form)</u> Do in your individual teacher's google classroom only
Thursday: <ul style="list-style-type: none"> • Watch video on simplifying square root expressions • Practice simplifying square root expressions 	Instruction: <u>Simplifying Square root expressions (Khan)</u>	DO NOT use these links to Khan Academy. Log into your Khan account and complete these assignments through your individual teacher's Khan class. Teachers will assign these in their Khan classes.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or Khan Academy)
		Simplifying Square root expressions practice (Khan) Simplifying Square roots Review (Khan)
Friday: School is closed for Good Friday. We have provided some optional activities for interested students. There is no obligation to complete any of these activities and students will not be behind their classmates if they do not complete them. <ul style="list-style-type: none"> Mixed Review and Practice 	Instruction: None Practice: Mixed Practice worksheet with answers	OPTIONAL Check-in (google form) Do in your individual teacher's google classroom only

Week criteria for success (attach student checklists or rubrics):

- 1) I can simplify the radicand.
- 2) I can add and subtract radical expressions
- 3) I can multiply and divide radical expressions

Supportive resources and tutorials for the week (plans for re-teaching):

[Mr. Potter's smartboard notes pdf](#)- PDF of classroom notes with examples, practice problems and answers

[Mrs. Gwiazda's Google Slides](#)