Math 11 Pre-Calculus LG 11
RATIONAL EQUATIONS

INTRODUCTION:

Rational equations are used in medicine, lighting, economics, space travel, engineering, acoustics and many other fields. Check out pages 341-342.

LEARNING GUIDE EXPECTATIONS:

On the completion of this learning guide you will be able to:
    1)   Solve rational equations.

EVALUATION:

You are ready to progress to the next learning guide when you can demonstrate your understanding of the above expectations. Please refer to your Mathematics 11 Pre-Calc Marks Record Sheet to determine the assessment.

RESOURCES NEEDED:

Math 11 Pre-Calc Text

THSS Math 11 Pre-Calc Learning Guides.

LEARNING ACTIVITIES:

Expectation #1: Solve rational equations.

1. Watch and take notes on instructional video on Rational Equations.

2. In the textbook, read Link the Ideas on page 342.

  3. Work through Examples 1 - 4 on pages 342-347. Now complete Your Turn on pages 343, 344, 345 and 347.

4. Read *Key Ideas* on page 348. In your math journal, describe how to solve rational equations. Use an example to illustrate.

5. In the textbook, complete pages 348-9 #1-8, 11, 12, 14, 15.

REVIEW AND CHALLENGE

1. In the textbook, complete a portion of the Chapter 6 Review -- page 354 #20, 21, 23.

Key Terms: non-permissible value, rational equation.

PRACTICE QUIZZES

[Practice quiz #1](#)
[Practice quiz #2](#)
[Practice quiz #3](#)
[Practice quiz #4](#)