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Math 1010 Guided Notes

Module: 3

H.W. Number: 3.3 Textbook Section: 6.2

A. Take notes while reading the textbook or watching the lecture videos. Write out any definitions, formulas, properties, or procedure steps.

Rule for Multiplying Rational Expressions:

- . The product of the rational expressions I and I is defined as forlows. L.B = Ph
 - that is to multiply radicous expressions, multiply the penerators and the denominators.

- Rule for Dividing Rational Expressions:

 If \(\int \) and \(\int \) are arr +0 (axional expressions where \(\int \) to follow \(\text{tollow} \).

 Then their avoidient is defined as follows. 是一是二是一看二篇
- · that is to divide one cational expressions by another, metiping the filst ravional expression divident by the reciprocal of

Reminders/Cautions: the second.

When you multiply and divide rational expressions, you DON'T need the denominators to be the same. (NO LCD is needed)

Multiplying and Dividing Rational Expressions has nothing to do with "Cross Multiplication"

B. Write out each learning OBJECTIVE word for word. Write one example demonstrating that objective.

OBJECTIVE 1: MUHIFIT (at sonal expressions

$$\begin{pmatrix} x \\ 2 \end{pmatrix}$$

OBJECTIVE 2: CIVIDE CONTIONED EXPRESSIONS

EXAMPLE

\[\frac{7}{3} = \frac{1}{4} = = \fr