

R.6 – Rational Expressions

Skills

- R.6a - Find the domain of a function.
- R.6b - Simplify rational expressions.
- R.6c - Multiply rational expressions.
- R.6d - Divide rational expressions.
- R.6e - Add rational expressions.
 - R.6e1 - Add with common denominators.
 - R.6e2 - Add with different denominators.
- R.6f - Subtract rational expressions.
 - R.6f1 - Subtract with common denominators.
 - R.6f2 - Subtract with different denominators.
- R.6g - Simplify complex fractions.
 - R.6g1 - Simplify using division.
 - R.6g2 - Simplify the multiplicative identity of 1.

Introduction

Rational numbers are a/b form

Rational expression is a fraction

Fractions are division

Example 1

3)

Example 2

9)

Example 3a

Example 3b

11)

15)

Example 4a

Example 4b

Example 4c

Example 4d

19)	25)
Example 5a	37)
Example 5b	39)
Example 5c	
Example 6	57)

R.6 - EXTRA PRACTICE

Extra Practice R.6a on p.43 #1-8 - Follow the instructions in the book and complete the problems.

Extra Practice R.6b on p.43 #9-16 - Follow the instructions in the book and complete the problems.

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Extra Practice R.6c on p.43 #17-22,27,30 - Follow the instructions in the book and complete the problems.

Extra Practice R.6d on p.43 #23-26,28,29 - Follow the instructions in the book and complete the problems.

Extra Practice R.6e1 on p.43 #31-34 - Follow the instructions in the book and complete the problems.

Extra Practice R.6e2 on p.43 #36,37,41,43,44,47,49,53,54 - Follow the instructions in the book and complete the problems.

Extra Practice R.6f2 on p.43 #35,38,39,40,42,45,46,48,50,51,52,54 - Follow the instructions in the book and complete the problems.

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Extra Practice R.6g2 on p.43 #55-70 - Follow the instructions in the book and complete the problems.

R.6 - IXL PRACTICE

IXL - A2-X.4 [Simplify rational expressions](#)

Date				Final
Grade				
Initials				

R.6b

IXL - A2-X.5 [Multiply and divide rational expressions](#)

Date				Final
Grade				
Initials				

R.6c and R6d

IXL - A2-X.6 [Add and subtract rational expressions](#)

Date				Final
Grade				
Initials				

R.6e - R.6f

Closing Reflection: