

**Unit 5 – Rational Functions**

Date	Lesson/Topics	Khan Academy Videos/Exercise Sets	Done?
Mon/ Tues 5/25-26	<b>Live Session:</b> <ul style="list-style-type: none"> <li>Review of factoring (include larger exponents)</li> <li>Introduction to simplifying rational expressions (include reducing monomial factors)</li> </ul>		
	Simplifying Rational Expressions (Cancelling Common Factors)	Intro to rational expression simplification (15:22)  Intro to simplifying rational expressions (article)  Simplifying rational expressions: common monomial factors (6:58)  Simplify rational expressions: common monomial factors – Exercise set  Simplifying rational expressions: common binomial factors (4:11)  Simplifying rational expressions: opposite common binomial factors (3:58)  Simplifying rational expressions (advanced article)  Simplify rational expressions: common binomial factors – Exercise set  Simplifying rational expressions: grouping (6:41)  Simplifying rational expressions: higher degree terms (5:52)  Simplifying rational expressions: two variables (6:10)  Simplify rational expressions (advanced)- Exercise set  <b>Rational Functions: Quiz 1</b>	
Wed/ Thurs 5/27-28	<b>Live Session:</b> <ul style="list-style-type: none"> <li>Answer questions about simplifying rational expressions (most missed quiz questions)</li> <li>Review multiplying/dividing numerical fractions</li> <li>Introduce multiplying/dividing rational expressions</li> </ul>		
	Multiplying and Dividing Rational Expressions  Adding and Subtracting Rational Expressions	Retake <b>Rational Functions: Quiz 1</b> if necessary  Multiplying and dividing rational expressions: monomials (5:55)  Multiplying rational expressions (article)  Dividing rational expressions (article)  Multiply and divide rational expressions (basic) – Exercise set	

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		Multiplying rational expressions (4:51)  Dividing rational expressions (4:10)  Multiply and divide rational expressions – Exercise set  Adding and subtracting rational expressions: like denominators (3:44)  Intro to adding and subtracting rational expressions (article)  Add and subtract rational expressions: like denominators – Exercise set	
Mon/ Tues 6/1-2	<b>Live Session:</b> <ul style="list-style-type: none"> <li>Answer questions about multiplying and dividing rational expressions</li> <li>Review adding and subtracting numerical fractions (include different denominators)</li> <li>Introduce adding and subtracting rational expressions</li> </ul>		
	Adding and Subtracting Rational Expressions	Intro to adding rational expressions with unlike denominators (2:43)  Adding rational expressions: unlike denominators (5:10)  Subtracting rational expressions: unlike denominators (4:46)  Add and subtract rational expressions: unlike denominators – Exercise set  Subtracting rational expressions: factored denominators (4:47)  Least common multiple of polynomials (6:51)  Add and subtract rational expressions: factored denominators – Exercise set  Subtracting rational expressions (4:36)  Add and subtract rational expressions – Exercise set  <b>Rational Functions Quiz 3</b>	
Wed/ Thurs 6/3-4	<b>Live Session:</b> <ul style="list-style-type: none"> <li>Answer questions about adding and subtracting rational expressions</li> <li>Introduce solving rational equations/extraneous solutions</li> <li>Retake <b>Rational Functions Quiz 3</b> if necessary</li> </ul>		