



## Unit 6 (Chapter 8): Rational Functions

*This is a tentative schedule... It may be changed at any time.*

DAY	SECTION	IN CLASS	HOMEWORK
Mon. 1/16		<b>NO SCHOOL MLK DAY</b>	Watch 8.1 Video
Tues. 1/17	8.1	<i>Inverse Variation</i> Pg. 555+ 2, 8 – 11, 17 – 19, 22, 23, 27 – 42 ODD	Watch 8.2 Video
Wed. 1/18	8.2	<i>Graph Simple Rational Fcns</i> Pg. 561+ #1-33 ODD, 35, 37, 39	Watch 8.3 Video
Thurs. 1/19	8.3	<i>Graph General Rational Fcns</i> Pg. 568+ #1-6, 7 – 21 ODD, 33, 34	
		<b>SEMESTER ENDS</b>	
Mon. 1/30		<i>Review</i>	•Study for QUIZ
Tues. 1/31		<b>8.1-8.3 Quiz</b>	
Wed. 2/1	8.4	<i>Compute with Rational Functions</i>	Pg. 577+ #7, 11, 15, 21 – 23, 25-41 ODD, 49-51
Thurs. 2/2	8.5	<i>Combine Rational Functions</i>	Pg. 586 #3-29 odd, 31 – 39 ODD, 41, 43 (due end of hour Fri)
Fri. 2/3	8.5	<i>Combine Rational Functions</i>	Watch 8.6 Video
Mon. 2/6	8.6	<i>Solve Rational Equations</i> Pg. 592 #5-25 odd, 18, 20, 24, 33, 34	•Study for QUIZ
Tues. 2/7		<b>8.4-8.6 Quiz</b>	•Study for TEST
Wed. 2/8		<i>Review</i>	•Study for TEST
Thurs. 2/9		<b>Unit 6 Test</b>	

Unit 6 Learning Targets: Chapter 8 – Rational Function

Pre-Unit 6	I Can Statement Unit Six	Section in Textbook	Post-Unit 6
	I can differentiate between inverse and direct variation.	8.1	
	I can write and use an inverse variation model.	8.1	
	I can graph rational functions and state the domain and range.	8.2	
	I can graph translation of rational functions and state the domain and range.	8.2	
	I can graph rational functions with higher-degree polynomials.	8.3	
	I can find the vertical and horizontal asymptotes of rational functions.	8.2 & 8.3	
	I can multiply and divide rational expressions and reduce my answer.	8.4	
	I can add and subtract rational expressions by finding the common denominator.	8.5	
	I can simplify a complex fraction.	8.5	
	I can solve rational equations by cross multiplying.	8.6	
	I can solve rational equations with two solutions and check for extraneous solutions.	8.6	
	<i>I can solve application problems involving rational functions.</i>	8.2-8.6	



: I understand the learning target and could explain it to a friend.



: I understand the learning target, but I'm not sure I could explain it.



: I need to get some help with this learning target.