

Fourth Quarter Learning Targets

	Learning Targets	Review Problems	1 st	2 nd	3 rd	Notes
7A	Graph exponential growth and decay functions using transformations; use graphs of real-world situations to solve problems	7-1 p. 518: 11-17 p. 521: 1, 2				
7B	Use a graphing calculator to perform quadratic and exponential regressions; decide which regression is most appropriate for a set of real-world data	7-1 Lab See Notes and Worksheet 7-1 B				
7C	Solve exponential equations and inequalities by rewriting both sides using the same base; solve exponential equations using a graphing calculator; use the compound interest formula in real-world situations	7-2 p. 518: 18-24 p. 521: 14, 16				
7D	Evaluate numerical logarithmic expressions; use the properties of logarithms to condense and expand expressions	7-3, 7-5 p. 518: 25-28, 39-43 p. 521: 12, 13, 15, 17				
7E	Graph logarithmic functions using transformations	7-3 p. 518: 29, 30				
7F	Solve logarithmic equations and inequalities by rewriting in exponential form and using the properties of logarithms	7-4, 7-5 p. 519: 31-38, 44-48 p. 521: 3-4, 6-8, 19				
7G	Solve exponential equations and inequalities using logarithms on the calculator; use the Change of Base Formula to rewrite expressions	7-6 p. 520: 49-55 p. 521: 5, 6				
7H	Apply knowledge and skills from 7A-7G to situations involving e and the natural logarithm	7-7 p. 520: 56-62 p. 521: 10, 11				
7I	Solve real-world problems involving continuous compounding and continuous exponential growth/decay	7-8 p. 520: 63-65 p. 521: 18				

8A	Simplify, multiply and divide rational expressions, including complex fractions; identify values of x for which an expression is undefined	8-1 p. 582: 11-16 p. 585: 1-4, 31				
8B	Add and subtract rational expressions, including complex fractions	8-2 p. 582: 17-23 p. 585: 5-8				
8C	Graph rational functions by transformation; graph rational functions by determining vertical and horizontal asymptotes, holes, domain and range	8-3, 8-4 p. 583: 24-30 p. 585: 10-17				
8D	Solve real world problems involving direct, inverse, joint and combined variation	8-5 p. 584: 39-44 p. 585: 25-28				
8E	Solve rational equations and inequalities; solve real-world problems involving rational equations	8-6 p. 584: 45-52 p. 585: 29-30				
10A	Solve problems involving arithmetic sequences and series, including sigma notation	10-1, 10-2 p. 711: 11-27 p. 715: 1-5, 9, 11				
10B	Solve problems involving geometric sequences and series, including sigma notation and the infinite geometric series	10-1, 10-3, 10-4 p. 712: 28-46 p. 715: 6, 10, 12				

- Each learning target will be assessed the week it is taught. It will be assessed again at least one more time a week or two later.
 - If the last grade for a learning target is the highest grade for that learning target, then that will be the test grade for the learning target (replacing any lower grades in the grade book).
 - If the last grade is not the highest grade for that learning target, then the most recent grade will be averaged with the existing grade for that learning target.

Score Conversions:

Target Score	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
Percent	50	53	56	59	63	67	71	75	79	84	89	94	100