Secondary 3 Honors Quarter 4 Syllabus

Section	Assignment	Objectives	Confidence			
Unit 10						
10-1 Multiplying & Dividing Rationals	HW 10-1	10-1a: I can multiply and divide rational expressions	1	2	3	4
		10-1b: I can simplify a rational expression	1	2	3	4
10-2 Adding & Subtracting Rationals	HW 10-2	10-2a: I can add and subtract rational expressions	1	2	3	4
		10-2b: I can simplify a rational expression	1	2	3	4
10-3 Solving Rational Equations	HW 10-3	***10-3a: I can solve a rational equation algebraically and graphically**	1	2	3	4
		10-3b: I can identify extraneous solutions	1	2	3	4
		10-3c: I can solve real world problems using rational equations	1	2	3	4
10-4 Inverse Functions	HW 10-4	10-4a: I can find the inverse of a function algebraically and graphically	1	2	3	4
		10-4b: I can analyze the domain of a function and its inverse	1	2	3	4
		10-4c: I can verify inverses using composition	1	2	3	4
Unit 10 Assessment						
Unit 11						
11-1 Rational Graphs	HW 11-1	11-1 a: I can analyze the graph of rational functions	1	2	3	4
		11-1b: I can identify the transformations of a given function and sketch a graph	1	2	3	4
		11-1c: I can write a rational equation given a graph	1	2	3	4
11-2 Asymptotes and Rational Functions	HW 11-2	***11-2a: I can find the x and y intercepts, vertical and horizontal asymptotes, and holes of a rational function**	1	2	3	4
		*11-2b: I can graph a rational function by hand	1	2	3	4
11-3 Rational Inequalities	HW 11-3	11-3a: I can solve rational inequalities algebraically and graphically	1	2	3	4
Unit 11 Assessment						
Unit 12						
12-1 Populations and Samples	HW 12-1	12-1a: I can find population percentages of a normal distribution (68-95-99.6 rule)	1	2	3	4
12-2 Combinations and Permutations	HW 12-2	12-2a: I can determine the difference between combinations and permutations	1	2	3	4
		12-2b: I can use combinations and permutations in real world scenarios	1	2	3	4
Unit 12 Assessment						
Unit 13						
13-1 Exponential Functions	HW 13-1	13-1a: I can simplify using exponent rules	1	2	3	4
		13-1b: I can graph & find attributes of an exp function	1	2	3	4
		13-1c: I can model and solve with an exponential equation	1	2	3	4
13-2 Logarithmic Functions	HW 13-2	***13-2a: I can manipulate logarithms using properties**	1	2	3	4
		13-2b: I can graph and identify attributes of a log function	1	2	3	4
		13-2c: I can model and solve with a logarithmic function	1	2	3	4
13-3 Evaluating Trig Functions	HW 13-3	13-3a: I can write out trig ratios	1	2	3	4
		*13-3b: I can find exact values of a trig function	1	2	3	4
13-4 Evaluating Inverse Trig Funct	HW 13-4	13-4a: I can evaluate inverse trig functions	1	2	3	4
		13-4b: I can graph & find attributes of trig parent functions	1	2	3	4
Unit 13 Assessment						
Review						
Quarter 4 Summative Assessment						