

### Pre-Calculus Quarter 1 Syllabus

Section	Topic	Assignment (Exercises)	
Review	<b>Review</b>		
P2	Cartesian Coordinate System	HW 1	<b>P20:</b> 5-8, 12-16, 19, 23-27
P.3/P.4	Linear Equations and Inequalities	HW 2	<b>P29:</b> 1, 5, 7, 11, 15-21 odd, 33-39 odd, 43, 45 <b>P40:</b> 3-17 odd, 21, 22, 24
P5	Solving Equations	HW 3	<b>P50:</b> 1-13 odd, 16, 19-23 odd, 26, 27, 29, 30, 59, 60
P6	Complex Numbers	HW 4	<b>P57:</b> 1-19 odd, 25, 26, 29-35 odd
Test			
Chp #1	<b>Functions and Graphs</b>		
P7	Solving Inequalities	HW 5	<b>P. 50:</b> 39-44 by hand P. 64:1, 3, 5-7, 10, 12, 14, 17, 19, 21, 23-29
1.2	Functions and Their Properties	HW 6	<b>P. 64:</b> 4, 8, 9, 18, 22, 30 <b>P. 102:</b> 2, 4, 6, 8, 9-12, 14, 17, 19, 21, 23, 55, 57, 60, 62
1.2	Functions and Their Properties	HW 7	<b>P. 102:</b> 25, 28, 30, 32, 34, 41, 43, 45, 47, 50, 51, 54
1.3	Twelve Basic Functions	HW 8	<b>P. 113:</b> 1-12 all, 45-51 odd
1.4	Building Functions from Functions	HW 9	<b>P. 124:</b> 1-29 odd, skip 9, add 38, 40, 42, 49
1.5	Inverses	HW 10	<b>P. 135:</b> 9-31 odd, 43, 44
1.6	Graphical Transformations	HW 11	<b>P. 147:</b> 1-21 odd, 24, 26, 48, 51-54
Review		Review	<b>P. 165:</b> 1-10 all, 13, 16, 17, 19, 22, 28, 35, 37-39, 41, 43, 53-56
Test			
Chp #2	<b>Poly., Power, &amp; Rational Functions</b>		
2.1	Linear and Quadratic Functions	HW 12	<b>P182:</b> 2-10 even, 13-18, 19-33 odd, 34, 43, 44 <b>P135:</b> 13, 15, 17 <b>P124:</b> 19, 20
2.3	Polynomial Functions of Higher Degree	HW 13	<b>P209:</b> 2, 4, 6, 14, 16, 17-27 odd, 33-39, 41, 49, 51 <b>P182:</b> 20-28 even <b>P64:</b> 1, 3, 5, 8
2.4	Real Zeros of Polynomial Functions	HW 14	<b>P209:</b> 18, 20, 40, 42, 61, 62, 71 <b>P223:</b> 1, 2, 4, 5, 7, 8, 9-23 odd <b>P182:</b> 1,3, 30, 32
2.4	Real Zeros of Polynomial Functions	HW 15	<b>P224:</b> 27, 29, 33-43 odd, 47-55 odd <b>P147:</b> 6-12 even, 22, 24 <b>P135:</b> 23, 26, 28, 30, 32
2.5	Complex Zeros & Fund Thm of Alg	HW 16	<b>P234:</b> 1-15 odd, 22-32 even, 35, 36, 37, 39, 41 <b>P223:</b> 3, 6, 10, 12 <b>P40:</b> 22, 24, 65, 66
Review		Review	<b>P269:</b> 1-5, 7, 10, 25-29, 31-37 odd, 43, 45-48, 53-59 odd, 62, 64
Test			
The end of the term is Wednesday, OCTOBER 26 <sup>th</sup> . All work that will count on Term 1 grades must be turned in no later than Wednesday, OCTOBER 19 <sup>th</sup> .			
<b>Homework:</b> Please write name, date, and section number at the top of your paper.			