Precalculus Quarter 1 Syllabus

Section	Assignment	Objective	Confidence
Unit 1 – Linear and Quadratic Review			
P.3 Linear Equations and Inequalities	pg. 29: 1, 5-10, 11-21 odd, 25, 35, 37, 39	**1)** I can determine if an equation is linear. **2)** I can solve multi-step linear equations. **3)** I can solve linear inequalities.	1 2 3 4 1 2 3 4 1 2 3 4
P.4 Linear Functions	pg. 40: 1-25 odd, 47	**4)** I can find the slope between two points. **5)** I can write a linear equation given a point and slope. **6)** I can write a linear equation given two points.	1 2 3 4 1 2 3 4 1 2 3 4
Factoring Review	Factoring WS	**7)** I can factor polynomial expressions.	1 2 3 4
P.5 Solving Quadratic Equations	pg. 50: 1-13 odd, 19, 21, 23, 26, 29, 60	**8)** I can solve equations with the square root property. **9)** I can solve equations by completing the square. **10)** I can solve equations by factoring. **11)** I can solve equations using the quadratic formula. **12)** I can solve equations by finding x-intercepts.	1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
P.6 Complex Numbers	pg. 57: 1-19 odd, 25, 29, 31, 33, 35	**13)** I can write a complex number in standard form. **14)** I can add and subtract complex numbers. **15)** I can multiply complex numbers. **16)** I can find the conjugate of a complex number. **17)** I can use conjugates to write a complex number in standard form.	1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
Unit 1 Assessment			
Corrections			
Unit 2 – Functions and Graphs			
1.2 Function Characteristics	pg. 102: 9-14, 25-28	**1)** I can determine the domain and range of a function from its graph. **2)** I can determine the domain of a function algebraically. **3)** I can identify key features of a function. (maximum, minimum, increasing, decreasing)	1 2 3 4 1 2 3 4 1 2 3 4
1.6 Function Transformations	pg. 147: 1-21 odd, 24, 25, 26	**4)** I can graph parent functions. **5)** I can describe transformations of a function. **6)** I can graph functions using transformations.	1 2 3 4 1 2 3 4 1 2 3 4
2.1 Quadratic Functions	pg. 182: 13-18, 19-33 odd	**7)** I can find the vertex of a quadratic function algebraically from vertex form. **8)** I can find the vertex of a quadratic function algebraically from standard form. **9)** I can find the axis of symmetry of a quadratic function. **10)** I can use completing the square to change standard form to vertex form.	1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
Piecewise Functions	Piecewise WS	**11)** I can graph a piecewise function. **12)** I can write the equation of a piecewise function from a graph.	1 2 3 4 1 2 3 4
Unit 2 Assessment			
Corrections			
Quarter 1 Review	Review WS		
Quarter 1 Final			
Corrections			
The end of the first term is October 16th. All late work will be due by Friday, October 11th.			