Name: _____   Date: _____   Period: _____

PreCalculus Prerequisite (Review) Skills

The following skills and topics from Algebra 1 and Algebra 2 appeared on your Summer Assignment. You will spend some time in class and at home reviewing this material. You need to have a firm grasp of the algebra skills reviewed in this assignment in order to succeed in PreCalculus.

Important Dates:

- *Monday September 17*
   - o **Hand in the circled problems below**. Show all work on separate paper!
- *Tuesday, September 18th*
   - o **Summer Assignment Assessment**: *Know how to do* the suggested problems from each section.
   - o Hand in Summer Assignment.

YOU ARE RESPONSIBLE FOR SUCCESSFULLY COMPLETING THESE TOPICS!
Ask questions, seek extra help if needed.

Section	Topic	Textbook Page	Suggested Textbook Problems *Complete Bolded Questions for HW*	Corresponding Summer Assignment Problems
A.2	Using Properties of Exponents	A12, Ex. 1	p. A20 #25, 27	#2
	Using Properties of Radicals	A15, Ex. 6	p. A21 # 61, **62**	#1
	Combining Radicals	A17, Ex. 9	p. A21 #69, **72**	#1, 3, 25
	Rationalizing a Binomial Denominator	A18, Ex. 11	p. A22 #81, **82**	
	Simplifying with Rational Exponents	A19, Ex. 15	p. A22 #91, **96**	
A.3	Sums and Differences of Polynomials	A24, Ex. 2	p. A31 #31, 35	#4
	Special Products	A25, Ex. 4	p. A32 #55, 57	#5
	Removing Common Factors	A26, Ex. 5	p. A32 #95, **96**	#20, 22
	Factoring Difference of Squares	A27, Ex. 6, 7	p. A32 #105, **106**	#21
	Factoring Sum/Difference of Cubes	A28, Ex. 9, 10	p. A32 #125, 127	
	Factoring by Grouping	A30, Ex. 13	p. A32 #147, **148**	#8
A.4	Dividing Rational Expressions	A38, Ex. 5	p. A43 #41	
	Subtracting Rational Expressions	A38, Ex. 6	p. A44 #47, **48**	#6
	Simplifying a Complex Fraction	A40, Ex. 8	p. A44 #55, **56**	#7
A.5	Solving Linear Equations	A47, Ex. 1, 2	p. A56 #23, 25	
	Solving Rational Equations	A48, Ex. 3	p. A56 #37, **38**	#11
	Completing the Square	A51, Ex. 6	p. A57 #83, 85	#10, 16
	The Quadratic Formula	A52, Ex. 8	p. A57 #93, 97	#10, 23, 28
	Factoring to Solve a Polynomial Equation	A50, Ex. 4 A53, Ex. 10, 11	p. A57, #147, **148**	#12, 15, 17
	Absolute Value Equations	A55, Ex. 14	p. A58, #179, **180**	
A.6	Double Inequalities	A63, Ex. 3	p. A66 #37, **38**	#18
2.3	Long Division	155, Ex. 2, 3	p. 159 #**6**, 7	#25
	Synthetic Division	156, Ex. 4	p. 159 #21, **22**	#25
2.5	Complex & Imaginary Numbers	163 Ex. 1, 2, 5	p. 167 #5, **20**, 33, 59	#26
3.2	Logarithms	229 Ex. 1	p. 236 #3, **6**, **12**, 13	#13, 14

Worked out answers to all ODD problems can be found at: http://www.calcchat.com/book/Precalculus-with-Limits/