Summer Work for students entering Algebra II (all levels)

IXL CATEGORY	Advanced		Regular		Check When Completed
Minimum Smart Score of:	**90**		**90**	**80**	
Algebra 1 Skills					
NUMBERS					
A.7 Square Roots	X			X	
OPERATIONS					
B.1 Add, subtract, multiply, and divide integers	X			X	
B.2 Order of operations with integers	X			X	
B.4 Add and subtract rational numbers	X			X	
B.5 Multiply and divide rational numbers	X			X	
PERCENTS					
D.1 Convert between percents, fractions, and decimals				X	
PROPERTIES					
H.2 Distributive property	X			X	
VARIABLE EXPRESSIONS & EQUATIONS					
I.2 Simplify variable expressions involving like terms and the distributive property	X			X	
I.3 Write variable equations	X			X	
SOLVE EQUATIONS					
J.5 Solve advanced linear equations	X			X	
J.6 Solve equations with variables on both sides	X			X	
SINGLE-VARIABLE INEQUALITIES					
K.8 Solve two-step linear inequalities	X			X	
K.9 Graph solutions to two-step linear inequalites	X			X	
LINEAR FUNCTIONS					
S.2 Find the slope of a graph	X			X	
S.3 Find slope from two points	X			X	
S.6 Slope-intercept form: graph an equation	X			X	
S.14 Graph a horizontal or vertical line	X			X	
EXPONENTS					
V.4 Multiplication with exponents	X			X	
POLYNOMIALS					
Z.4 Add and subtract polynomials	X			X	
Z.6 Multiply a polynomial by a monomial	X			X	
Z.8 Multiply two binomials	X			X	
Z.9 Multiply two binomials: special cases	X			X	
FACTORING					
AA.2 Factor out a monomial	X			X	
AA.3 Factor quadratics with leading coefficient of 1	X			X	
AA.4 Factor quadratics with other leading coefficents	X			X	
RADICAL EXPRESSIONS					
EE.1 Simplify radical expressions		50		50	
STATISTICS					
KK.1 Mean, median, mode, and range	X			X	