

CHSPC Summer Math Requirements

All students are required to have math enrichment over the summer. Each student is required to play IXL. Students can play IXL on a computer, I-pad, or cellphone. All students have a username and password from the 2017-2018 school year. The requirements are listed according to the grade/subject the student will take next school year.

Website: www.ixl.com/signin/catholicpc

Requirements:

- All students are required to complete all topics listed with correct percentage score to get credit.
- The assignment is worth 50 points (only receive the 50 points if assignment is complete in full, if not a 0 will be given. No partial credit!)
- Assignment starts Monday, June 4th and August ends Tuesday, August 8th at 11:59 p.m.
- Recognition for 100% on each topic will be awarded at the beginning of school.

Grade/Subject Area:

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If you have any questions, please email Candice Kennedy at ckennedy@catholicpc.com.

CHSPC Summer Math Assignment
7th Grade Regular and Honors Math
 (6th Grade students going to 7th grade)

Instructions to access assignments on iXL after you sign in:
Choose Math → then click on 6th Grade tab → scroll down to find indicated topic number and name.

<u>Topic #:</u>	<u>Topic Name:</u>	<u>Percentage Complete:</u>
F.4:	Covert decimals to mixed numbers	75%
J.3:	Add/Subtract fraction with unlike denominators	75%
K.10:	Multiply mixed numbers and whole numbers	75%
L.7	Divide fractions and mixed numbers	75%
N.2:	Adding Integers	100%
N.4:	Subtracting Integers	100%
N.5:	Adding/Subtracting Integers: Find the sign	100%
N.9:	Multiply Integers	100%
N.11	Divide Integers	100%
X.2:	Graph points on coordinate plane	100%
Z.11:	Solving equations involving with integers	75%

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CHSPC Summer Math Assignment

8th Grade Pre-Algebra

(Students going from 7th grade regular Math into 8th grade Pre-Algebra)

Instructions to access assignments on iXL after you sign in:

Choose Math → then click on 7th Grade tab → scroll down to find indicated topic number and name.

<u>Topic #:</u>	<u>Topic Name:</u>	<u>Percentage Complete:</u>
C.3:	Add and Subtract Integers	100%
C.7:	Multiply and Divide Integers	100%
G.1:	Add and Subtract Fractions	75%
G.9:	Multiply Fractions	75%
G.10:	Multiply Mixed Numbers	75%
G.12	Divide Fractions	75%
L.2:	Convert between percents, fractions, and decimals	75%
S.5:	One-Step equations	75%
S.6	Two-Step equations	75%
T.4:	One-step inequalities	75%

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CHSPC Summer Math Assignment

8th/9th Algebra I

(7th grade Honors students going to 8th grade Algebra I and 8th grade Pre-Algebra students going to 9th grade Algebra)

Instructions to access assignments on iXL after you sign in:

Choose Math → then click on 8th Grade tab → scroll down to find indicated topic number and name.

<u>Topic #:</u>	<u>Topic Name:</u>	<u>Percentage Complete:</u>
C.3:	Adding/Subtract Integers	100%
C.7:	Multiply/Divide Integers	100%
E.2:	Add and Subtract Rational Numbers	75%
E.5:	Multiply and Divide Rational Numbers	75%
N.1:	Coordinate Plane Review	100%
W.7:	Solve two-step equations	75%
W.8:	Solve Multi-step equations	75%
X.2:	Graph inequalities on number lines	75%
Y.1:	Find the slope of a graph	75%
Y.2:	Find the slope from two points	75%
Y.4:	Find the slope of a linear equation	75%
Y.5:	Graph a line using slope	75%

If you have any questions for 8th Algebra 1 Honors, please email Candice Kennedy at ckennedy@catholicpc.com or for 9th Grade Algebra 1 email Angie Davis at adavis@catholicpc.com

CHSPC Summer Math Assignment

9th/10th Geometry

(8th grade Honors students going to 9th grade Geometry and 9th grade Algebra 1 students going to 10th grade Geometry)

Instructions to access assignments on iXL after you sign in:

Choose Math → then click on Algebra Grade tab → scroll down to find indicated topic number and name.

<u>Topic #:</u>	<u>Topic Name:</u>	<u>Percentage Complete:</u>
B.1:	Adding/Subtract/Multiply/Divide Integers	100%
B.4:	Add and Subtract Rational Numbers	75%
B.5:	Multiply and Divide Rational Numbers	75%
C.3:	Unit Rates	75%
F.1:	Perimeter	100%
F.2:	Area	100%
F.14:	Pythagorean Theorem	75%
G.1:	Coordinate Plane Review	100%
G.2:	Midpoints	75%
J.3:	Solve One step linear equations	75%
S.14:	Compare linear functions: graphs, tables, equations	75%
V.7:	Power Rule	75%

If you have any questions, please email Angie Davis at adavis@catholicpc.com.

CHSPC Summer Math Assignment

10th Algebra II Honors

(9th grade honors students going to 10th grade Algebra II Honors)

Instructions to access assignments on iXL after you sign in:

Choose Math → choose Topics, then click on Algebra → click on Level indicated below → scroll down to find indicated topic.

<u>Level</u>	<u>Topic Name</u>	<u>Percentage Complete</u>
E	O.4: Solve for the variable: addition, subtractions, multiplications, and divisions	80
E	O.5: Write variable equations to represent word problems	80
H	Y.10: Multiply using distributive property	80
H	Y.11: Factor using distributive property	80
H	Y.15: Identify equivalent expressions	80
H	BB.7: Identify graph of an equation	80
I	B.5: Compare and order integers	100
I	F.6: Compare and order fractions	100
I	G.18: Evaluate numerical expressions involving fractions	80
I	R.7: Identify terms and coefficients	80
I	R.14: Add, subtract, and multiply linear expressions	80
I	S.8: Solve equations involving like terms	80
I	V.6: Write a linear functions	80

If you have any questions, please email Lillian Reyad at lreyad@catholicpc.com.

CHSPC Summer Math Assignment

11th Algebra II

(10th grade students going to 11th grade Algebra II)

Instructions to access assignments on iXL after you sign in:

Choose Math → choose Topics, then click on Algebra → click on Level indicated below → scroll down to find indicated topic.

<u>Level</u>	<u>Topic Name</u>	<u>Percentage Complete</u>
E	O.4: Solve for the variable: addition, subtractions, multiplications, and divisions	75
E	O.5: Write variable equations to represent word problems	75
H	Y.10: Multiply using distributive property	75
H	Y.11: Factor using distributive property	75
H	Y.15: Identify equivalent expressions	75
H	BB.7: Identify graph of an equation	75
I	B.5: Compare and order integers	100
I	F.6: Compare and order fractions	100
I	G.18: Evaluate numerical expressions involving fractions	75
I	R.7: Identify terms and coefficients	75
I	R.14: Add, subtract, and multiply linear expressions	75
I	S.8: Solve equations involving like terms	75
I	V.6: Write a linear functions	75

If you have any questions, please email Lillian Reyad at lreyad@catholicpc.com.

CHSPC Summer Math Assignment 11th Advanced Math Honors

(10th grade Honors students going to 11th grade Advanced Math Honors)

Instructions to access assignments on iXL after you sign in:
Choose Math → choose Topics, then click on Algebra → click on Level indicated below → scroll down to find indicated topic.

<u>Level</u>	<u>Topic Name</u>	<u>Percentage Complete</u>
M	A.1—Evaluate variable expressions involving integers	80
M	A.2—Evaluate variable expressions involving rational numbers	80
M	A.3—Simplify variable expressions using properties	80
M	B.1—Solve linear equations	80
M	B.3—Solve absolute value equations	80
M	B.5—Solve multi-variable equation	80
M	J.4—Solve a quadratic equation using square roots	80
M	J.5—Solve a quadratic equation using the zero product property	80
M	J.6—Solve a quadratic equation by factoring	80
M	J.9—Solve a quadratic equation using the quadratic formula	80
N	I.1—Solve a system of equations by graphing	80
N	I.4—Solve a system of equations using substitution	80
N	I.6—Solve a system of equations using elimination	80

If you have any questions, please email Cody LeBlanc at cleblanc@catholicpc.com.

CHSPC Summer Math Assignment 12th Advanced Math

(11th grade students going to 12th grade Advanced Math)

Instructions to access assignments on iXL after you sign in:
Choose Math → choose Topics, then click on Algebra → click on Level indicated below → scroll down to find indicated topic.

<u>Level</u>	<u>Topic Name</u>	<u>Percentage Complete</u>
M	A.1—Evaluate variable expressions involving integers	70
M	A.2—Evaluate variable expressions involving rational numbers	70
M	A.3—Simplify variable expressions using properties	70
M	B.1—Solve linear equations	70
M	B.3—Solve absolute value equations	70
M	B.5—Solve multi-variable equation	70
M	J.4—Solve a quadratic equation using square roots	70
M	J.5—Solve a quadratic equation using the zero product property	70
M	J.6—Solve a quadratic equation by factoring	70
M	J.9—Solve a quadratic equation using the quadratic formula	70
N	I.1—Solve a system of equations by graphing	70
N	I.4—Solve a system of equations using substitution	70
N	I.6—Solve a system of equations using elimination	70

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CHSPC Summer Math Assignment 12th Algebra III

(11th grade students going to 12th grade Algebra III)

Instructions to access assignments on iXL after you sign in:
Choose Math → choose Topics, then click on Algebra → click on Level indicated below → scroll down to find indicated topic.

<u>Level</u>	<u>Topic Name</u>	<u>Percentage Complete</u>
M	A.1—Evaluate variable expressions involving integers	70
M	A.2—Evaluate variable expressions involving rational numbers	70
M	A.3—Simplify variable expressions using properties	70
M	B.1—Solve linear equations	70
M	B.3—Solve absolute value equations	70
M	B.5—Solve multi-variable equation	70
M	J.4—Solve a quadratic equation using square roots	70
M	J.5—Solve a quadratic equation using the zero product property	70
M	J.6—Solve a quadratic equation by factoring	70
M	J.9—Solve a quadratic equation using the quadratic formula	70
N	I.1—Solve a system of equations by graphing	70
N	I.4—Solve a system of equations using substitution	70
N	I.6—Solve a system of equations using elimination	70

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CHSPC Summer Math Assignment 12th Calculus Honors

(11th grade Honors students going to 12th grade Calculus Honors)

Instructions to access assignments on iXL after you sign in:
Choose Math → choose Topics, then click on Algebra--> click on Level indicated below → scroll down to find indicated topic.

Level	Topic Name	Percentage Complete
N	A.1—Domain and range	80
N	A.3—Evaluate functions	80
N	A.12—Composition of functions	80
N	A.13—Identify inverse functions	80
N	A.16—Find inverse functions and relations	80
N	B.1—Function transformation rules	80
N	B.2—Translations of functions	80
N	B.3—Reflections of functions	80
N	B.5—Transformations of functions	80
N	H.5—Operations with rational exponents	80
N	H.6—Simplify radical expressions with variables	80
N	H.7-nth roots	80
N	H.8—Simplify expressions involving rational exponents	80

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