



Summer Work 2017-18

Table of Contents

World Language	3
AP Latin (Wolter)	3
Spanish	3
French	3
English	3
English Nine	3
English Ten	4
AP Language (McPherson)	4
AP Literature and English 12 Honors (Roark)	4
Science	4
AP Chemistry (Webster):	4
Math	5
Owens AP Statistics :	5
Calculator	5
Book:	5
See link below to required summer packet.	5
Pre-calculus	5
Calculator:	5
Book:	5
Summer work:	5
Option 1 IXL :	6
Option 2: read	6
Financial Algebra	6
Book:	6
Summer Work:	6
Algebra 3	6
Book:	6
Calculator:	6

Summer Work:	6
Honors Calculus Summer Assignment	6
Textbook Information	6
Upper School Calculator Requirement	7
Honors Geometry Summer Assignment	10
Textbook Information	10
Upper School Calculator Requirement	10
Summer Assignment	10
Non-Honors Geometry Summer Assignment	13
Textbook Information	13
Upper School Calculator Requirement	13
Summer Assignment	13
Assignment	15
Algebra I Summer Assignment	16
Textbook Information	16
Upper School Calculator Requirement	16
Algebra II (all classes)	19
Textbook Information	19
Upper School Calculator Requirement	19
Algebra 2 summer work	21
AP Calculus	23

World Language

AP Latin (Wolter)

Required Summer Reading Packet (English Reading of Caesar's *Dē Bellō Gallico* with questions to be answered; article about rivalry of Caesar and Pompey & rise of Caesar with terms to be defined);

Suggested Summer Reading (entire *Aeneid* in English).

Spanish

(rising 9th graders going into Spanish level II)(Frías)- Complete the vocabulary activities and grammar exercises in the packet you received from Ms. Frías. The instructions are outlined on the front page of the packet.

AP Spanish - Ms. Wesneski has a grammar and reading packet for you to complete. Please see her during exam week.

AP French - Hello, les filles! I hope that you are already enjoying the good life. I am not writing to destroy that, I promise. I just want to keep your French from getting rusty this summer. With that in mind, I'd like for you to listen to the language whenever you can. You know lots of musicians by now so explore their music further if you'd like. Memorize a chorus or an entire song. Find the best video ever to share with me for mercredi en musique. This is not an assignment, just a request.

Your assignment is to watch at least three French movies this summer and write three movie summaries/reviews in French. You can find a list of French movies available on Netflix at the website frenchflicks.com. I hope to read 12 different reviews in August.

Thank you for your great work in French 4. I look forward to AP with such a talented group.

English

English Nine

(Camp, McPherson, and Pell) - Required Summer Reading: *The Grapes of Wrath* by John Steinbeck.

Supplemental (choose one of the following): *Lost Horizon*, James Hilton, *The Curtain*, Agatha Christie, *Ender's Game*, Orson Scott Card, *Sophie's Choice*, William Styron

Students should take notes and to keep a vocabulary list by chapter for the required and supplemental reading, which may be collected for a grade during the first week of school. There may also be a test on the required reading book during the first week of school.

Notes include any literary terms that you recognize and short chapter plot summaries, along with a vocabulary list with definitions. Notes should be legible and neatly organized.

Enjoy your summer reading. We're looking forward to seeing you in the fall!

English Ten

(Camp) - Required Summer Reading: *The Things They Carried*, by Tim O'Brien.

Supplemental (choose one of the following): *I Know Why the Caged Bird Sings*, Maya Angelou, *My Antonia*, Willa Cather, *Romeo and Juliet*, William Shakespeare, *The Haunting of Hill House*, Shirley Jackson.

AP Language (McPherson)

Required Summer Reading: *Nickel and Dimed* (2001) by Barbara Ehrenreich. Also Required: *Scratch Beginnings* (2007) by Adam Shepard.

AP Literature and English 12 Honors (Roark)

Required Summer Reading: *A Visit from the Goon Squad* (2010) by Jennifer Egan. Supplemental (choose one of the following): *City of Glass* (1985), Paul Auster; *The Amazing Adventures of Kavalier and Clay* (2000), Michael Chabon; *Obasan* (1981), Joy Kogawa; *Station Eleven* (2014), Emily St. John Mandel; *Ceremony* (1977), Leslie Marmon Silko.

Science

AP Chemistry (Webster):

Your assignment is three-fold.

I. First of all you need to **thoroughly read** Chapters 1 and 2 of your textbook (Zumdahl Chemistry Ninth Edition AP Edition ISBN-13: 978-1-133-1110-3). You are responsible for the material in these two chapters. It will be covered on your first test. We will not spend class time on this because it is a review of the first several chapters of Honors Chemistry, and we need to "hit the ground running" with new material in order to get through the tremendous amount of content you need to learn in this course. To show me that you have mastered this material, the following 25 problems are due **ON THE FIRST DAY OF SCHOOL** (This assignment will be graded.) Points will be deducted for late assignments. **WHERE WORK IS NEEDED, YOU MUST SHOW WORK FOR CREDIT.**

Chapter 1 (pp. 34-38): #30, 33, 36, 39, 60 (A and D only in #60), 76, 79, 83, 86, 87

Chapter 2: (pp. 74-77): #33, 35, 37, 54, 56, 57, 59, 61, 63, 67, 69, 72, 77, 80, and 83

It would be wise to buy a book on-line or buy/borrow from a former chemistry student sooner, rather than later. (Current students: Devin, Sarah Griffin, Eva, Parker, William Caretto, Noah Ballenger, Jake Popkin, Mary-Fields, Chris Overton, Sophi, and Hayden)

II. On Friday, August 25, you will take a quiz on 27 polyatomic ions (those learned during first semester of Honors Chemistry) plus several extra. You will be asked to write the names of these ions when given the formula and charge OR to write the formula and charge when given the name. (Ions to know: sulfite, sulfate, hydrogen sulfate, phosphate, dihydrogen phosphate, hydrogen phosphate, nitrite, nitrate, ammonium, thiocyanate, carbonate, hydrogen carbonate, borate, chromate, dichromate, permanganate, oxalate, amide, hydroxide, cyanide, acetate, peroxide, hypochlorite, chlorite, chlorate, perchlorate, thiosulfate)

III. Also, review the periodic table. You need to be familiar with element names and symbols. The periodic table used by College Board only has symbols, so you need to make sure you know which elements those symbols stand for.

I am really looking forward to teaching you again. Take time to prepare over the summer. It will definitely pay off for you. AP Chemistry is a tough course, but you are up for the challenge if you start off the year on the right foot.

Math

Owens AP Statistics :

Calculator:

Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

Book:

Stats Modeling the World 3rd edition

by: David E. Bock Paul Velleman Richard D. De Veaux ISBN: 9780131359581 / 0131359584

See link below to **required summer packet**.

<https://drive.google.com/a/sdsgriffin.org/file/d/0B5Qtuw1iNy-ZZklISXRHaTk4Ujg/view?usp=sharing>

Pre-calculus

Calculator:

Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

Book:

Functions Modeling Change: A Preparation for Calculus, 4th Edition

ISBN: 978-0470484753

Summer work:

Complete one of the two.

Option 1 IXL :

<https://drive.google.com/drive/folders/0B5Qtuw1iNy-ZMzNVT1RMbWlIWjQ?usp=sharing>

Option 2: read

Letters to a Young Mathematician: Art of Mentoring by Ian Stewart

Financial Algebra

Book:

Managing Your Personal Finances (6th Edition)

ISBN:978-0538449373

and : Student Activity Guide for Ryan's Managing Your Personal Finances, 6th

ISBN: 978-0538449397

Summer Work:

Read: The Ultimate Gift (The Ultimate Series #1) by [Jim Stovall](#)

Algebra 3

Book:

College Algebra (6th Edition)

ISBN978-0321782281

Calculator:

TI 84 - can be purchased used on ebay or refurbished from several sites

Summer Work:

<https://drive.google.com/drive/folders/0B5Qtuw1iNy-ZQ0tDTHdxNjloajQ?usp=sharing>

Honors Calculus Summer Assignment

Snyder

Textbook Information

Title: Calculus: Single Variable,

Edition: 6th

Authors: Hughes-Hallett, Gleason, McCallum, et al.

Publisher: Wiley

ISBN #: 978-0-470-88853-7

Purchasing the text: The textbook has been ordered through Wofford's bookstore. However, the textbook is an older edition and has been used at SDS for the past two years, so other SDS students may be able to sell it to you. The book may also be found online.

Upper School Calculator Requirement

Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

If you already have a graphing calculator in the TI family, you can use your present model until you are in Statistics or Calculus. At that time, you will need the TI-Nspire CAS version.

Summer Assignment

See below

May 2017

Dear SDS Student,

There are many different actions you can take to ensure success in your courses, but the key to success in a math class is practice. As some have said, "Math is not a spectator sport."

To provide practice, we will use a website called IXL in Honors Calculus next year. IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

To get started on your computer, follow these steps:

1. Go to <https://www.IXL.com>
2. Enter your username and password in the upper right corner and click the right arrow button to sign in. (Note: Your username and password will be emailed to you.)
3. Click on Math at the top of the page and navigate to the class.
4. Find a skill to practice by selecting a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.

IXL is designed to help you learn at your own pace. The website is adaptive and will adjust to your demonstrated ability level. The site also saves all of your results, so you can monitor your progress anytime by clicking on the Reports at the top of the page.

This summer, your assignment is to attain a SmartScore of 85 for each assigned module. See below for assigned modules (bullet points). Grades will be awarded based upon your SmartScore in each module. See FAQs for grading.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures that you have learned in previous classes. With this practice, we can "hit the ground running," so to speak, at the start of the school year in August. In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

As always, please let me know if you have any questions. I can be reached by email at chelsea.snyder@sdsgriffin.org.

I look forward to having you in class next year!

Best,

Ms. Chelsea Snyder

P.S. – I am getting married this summer, so next year my name will be “Mrs. Dranichak.” I tell you this so you know who is emailing you at the end of the summer!

Assignment

Earn a SmartScore of 85 from each bullet point by August 23 (the first day of school).

If the modules’ numbers and names change, do the module that corresponds with the given name (not number).

From the “Precalculus” Course Heading

- A.1: Domain and Range
- A.3: Evaluate functions
- A.11: Add, subtract, multiply, and divide functions
- A.12: Composition of functions
- A.13: Identify inverse functions
- A.14: Find values of inverse functions from tables
- A.15: Find values of inverse functions from graphs
- A.16: Find inverse functions and relations
- B.1: Function transformation rules
- B.5: Transformations of functions
- B.6: Describe transformation functions
- C.6: Solve a quadratic equation by factoring
- C.8: Solve a quadratic equation using the quadratic formula
- D.5: Find the roots of factored polynomials
- E.1: Rational functions: asymptotes and excluded values
- F.2: Convert between exponential and logarithmic form
- F.4: Evaluate logs
- F.10: Solve exponential equations using logarithms
- F.11: Solve logarithmic equations with one logarithm
- F.16: Exponential growth and decay: word problems
- M.1: Convert between radians and degrees
- M.8: Inverses of trigonometric functions
- M.9: Solve trigonometric equations
- M.10: Trigonometric ratios: find a side
- M.11: Trigonometric ratios: find an angle measure

Frequently Asked Questions

Question 1: How can I track my progress?

IXL keeps track of your progress. Your SmartScore will be in parentheses after the module name, as shown below.

Question 2: How much is this worth towards my first quarter grade?

In my courses, I give quizzes, not tests. Quizzes typically cover anywhere from one to four sections of the textbook, and they range in point value from 25 to 50 points. I compute quarter averages using points, not a weighted average. With that in mind, here is the grading scheme for the IXL summer work.

25 bullet points 3 points per bullet point 75 points total

The summer assignment grade will amount to being more than a quiz grade, and it will count towards your first quarter average.

Honors Geometry Summer Assignment

Snyder

Textbook Information

Title: Geometry: A Common Core Curriculum

Authors: Ron Larson and Laurie Boswell

Publisher: Big Ideas Math

ISBN #: 978-1-60840-839-9

Purchasing the text: The textbook has been ordered through Wofford's bookstore. However, the textbook has been used at SDS for the past three years, so other SDS students may be able to sell it to you. The book may also be found online.

Upper School Calculator Requirement

Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

If you already have a graphing calculator in the TI family, you can use your present model until you are in Statistics or Calculus. At that time, you will need the TI-Nspire CAS version.

Summer Assignment

See below

May 2017

Dear SDS Student,

There are many different actions you can take to ensure success in your courses, but the key to success in a math class is practice. As some have said, “Math is not a spectator sport.”

To provide practice, we will use a website called IXL in Honors Geometry next year. IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

To get started on your computer, follow these steps:

1. Go to <https://www.IXL.com>
2. Enter your username and password in the upper right corner and click the right arrow button to sign in. (Note: Your username and password will be emailed to you.)
3. Click on Math at the top of the page and navigate to the class.
4. Find a skill to practice by selecting a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.

IXL is designed to help you learn at your own pace. The website is adaptive and will adjust to your demonstrated ability level. The site also saves all of your results, so you can monitor your progress anytime by clicking on the Reports at the top of the page.

This summer, your assignment is to attain a SmartScore of 85 for each assigned module. See below for assigned modules (bullet points). Grades will be awarded based upon your SmartScore in each module. See FAQs for grading.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures that you have learned in previous classes. With this practice, we can “hit the ground running,” so to speak, at the start of the school year in August. In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

As always, please let me know if you have any questions. I can be reached by email at chelsea.snyder@sdsgriffin.org.

I look forward to having you in class next year!

Best,

Ms. Chelsea Snyder

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Assignment

Earn a SmartScore of 85 from each bullet point by August 23 (the first day of school).

If the modules’ numbers and names change, do the module that corresponds with the given name (not number).

From the “Algebra 1” Course Heading

- B.2: Evaluate numerical expressions involving integers
- B.4: Add and subtract rational numbers
- B.5: Multiply and divide rational numbers
- B.6: Evaluate numerical expressions involving rational numbers
- H.2: Distributive property
- S.2: Find the slope of a graph
- S.3: Find slope from two points
- S.18: Equations of horizontal and vertical lines
- S.20: Point slope form: graph an equation
- S.21: Point slope form: write an equation
- S.22: Point slope form: write an equation from a graph

From the “Geometry” Course Heading

- A.1: Ratios and proportions
- A.3: Properties of exponents
- A.4: Simplify radical expressions
- A.5: Write variable expressions
- A.6: Solve linear equations
- A.7: Solve linear inequalities
- B.1: Lines, line segments, and rays
- B.2: Lengths of segments on number lines
- B.3: Additive property of length
- B.5: Congruent Line Segments

- C.1: Angle vocabulary
- C.2: Angle measures
- C.3: Identify complementary, supplementary, vertical, adjacent, and congruent angles
- C.4: Find measures of complementary, supplementary, vertical, adjacent, and congruent angles

Frequently Asked Questions

Question 1: How can I track my progress?

IXL keeps track of your progress. Your SmartScore will be in parentheses after the module name, as shown below.

Question 2: How much is this worth towards my first quarter grade?

In my courses, I give quizzes, not tests. Quizzes typically cover anywhere from one to four sections of the textbook, and they range in point value from 25 to 50 points. I compute quarter averages using points, not a weighted average. With that in mind, here is the grading scheme for the IXL summer work.

25 bullet points 3 points per bullet point 75 points total

The summer assignment grade will amount to being more than a quiz grade, and it will count towards your first quarter average.

Non-Honors Geometry Summer Assignment

Snyder

Textbook Information

Title: Geometry: A Common Core Curriculum

Authors: Ron Larson and Laurie Boswell

Publisher: Big Ideas Math

ISBN #: 978-1-60840-839-9

Purchasing the text: The textbook has been ordered through Wofford's bookstore. However, the textbook has been used at SDS for the past three years, so other SDS students may be able to sell it to you. The book may also be found online.

Upper School Calculator Requirement

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If you already have a graphing calculator in the TI family, you can use your present model until you are in Statistics or Calculus. At that time, you will need the TI-Nspire CAS version.

Summer Assignment

See below

May 2017

Dear SDS Student,

There are many different actions you can take to ensure success in your courses, but the key to success in a math class is practice. As some have said, "Math is not a spectator sport."

To provide practice, we will use a website called IXL in Honors Geometry next year. IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

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1. Go to <https://www.IXL.com>
2. Enter your username and password in the upper right corner and click the right arrow button to sign in. (Note: Your username and password will be emailed to you.)
3. Click on Math at the top of the page and navigate to the class.
4. Find a skill to practice by selecting a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.

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This summer, your assignment is to attain a SmartScore of 85 for each assigned module. See below for assigned modules (bullet points). Grades will be awarded based upon your SmartScore in each module. See FAQs for grading.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures that you have learned in previous classes. With this practice, we can “hit the ground running,” so to speak, at the start of the school year in August. In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

As always, please let me know if you have any questions. I can be reached by email at chelsea.snyder@sdsgriffin.org.

I look forward to having you in class next year!

Best,

Ms. Chelsea Snyder

P.S. – I am getting married this summer, so next year my name will be “Mrs. Dranichak.” I tell you this so you know who is emailing you at the end of the summer!

Assignment

Earn a SmartScore of 85 from each bullet point by August 23 (the first day of school). If the modules’ numbers and names change, do the module that corresponds with the given name (not number).

From the “Algebra 1” Course Heading

- B.2: Evaluate numerical expressions involving integers
- B.4: Add and subtract rational numbers
- B.5: Multiply and divide rational numbers
- B.6: Evaluate numerical expressions involving rational numbers
- H.2: Distributive property
- S.2: Find the slope of a graph
- S.3: Find slope from two points
- S.18: Equations of horizontal and vertical lines

- S.20: Point slope form: graph an equation
- S.21: Point slope form: write an equation
- S.22: Point slope form: write an equation from a graph

From the “Geometry” Course Heading

- A.1: Ratios and proportions
- A.3: Properties of exponents
- A.4: Simplify radical expressions
- A.5: Write variable expressions
- A.6: Solve linear equations
- A.7: Solve linear inequalities
- B.1: Lines, line segments, and rays
- B.2: Lengths of segments on number lines
- B.3: Additive property of length
- B.5: Congruent Line Segments
- C.1: Angle vocabulary
- C.2: Angle measures
- C.3: Identify complementary, supplementary, vertical, adjacent, and congruent angles
- C.4: Find measures of complementary, supplementary, vertical, adjacent, and congruent angles

Frequently Asked Questions

Question 1: How can I track my progress?

IXL keeps track of your progress. Your SmartScore will be in parentheses after the module name, as shown below.

Question 2: How much is this worth towards my first quarter grade?

In my courses, I give quizzes, not tests. Quizzes typically cover anywhere from one to four sections of the textbook, and they range in point value from 25 to 50 points. I compute quarter averages using points, not a weighted average. With that in mind, here is the grading scheme for the IXL summer work.

25 bullet points 3 points per bullet point 75 points total

The summer assignment grade will amount to being more than a quiz grade, and it will count towards your first quarter average.

Algebra I Summer Assignment
Phillips

Textbook Information

Title: Algebra 1 Common Core

Authors: Randall I Charles and Others

Publisher: Pearson

ISBN 10: 0133185486 ISBN 13: 9780133185485

Upper School Calculator Requirement

Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

If you already have a graphing calculator in the TI family, you can use your present model until you are in Statistics or Calculus. At that time, you will need the TI-Nspire CAS version.

Dear Algebra I Student,

I hope this message finds you wrapping up a successful year and looking forward to a wonderful summer. Upper School math classes will continue to use IXL as a strategy to foster increased success in your 2017-2018 mathematics courses.

IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

To get started on your computer, follow these easy steps:

1. Go to ixl.com/signin/sds
2. Enter your username and password in the upper right corner and click the button to sign in. ** Your username and password should remain consistent but will also be sent to you in a separate email. **
3. Click on Math at the top of the page and navigate to your class.
4. Find a skill to practice by doing one of the following:
 - Select a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.
 - Go to the Awards section. Each grade level presents challenges for you to conquer and virtual prizes to be uncovered. Place your mouse over any challenge to begin.

IXL is designed to help you learn at your own pace. The website is adaptive and will adjust to your demonstrated ability level. The site also saves all of your results, so you can monitor your progress anytime by clicking on the Reports at the top of the page.

This summer, your assignment is to attain a SmartScore of 85 for each assigned module. See below for assigned modules (bullet points). Grades will be awarded based upon your SmartScore in each module. See FAQs for grading.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures learned in previous classes. If you feel that you need more practice in a particular module, I encourage you to work towards a SmartScore of 100. You may also explore unassigned topics if you choose. Assigned material should be completed no later than August 23, 2017. By reviewing over the summer, we can “hit the ground running,” in August.

In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

As always, please let me know if you have any questions. I can be reached by email at paige.phillips@sdsgriffin.org

Best,

Ms. Paige Phillips

***Sometimes IXL updates topic numbers/titles. If there is a discrepancy, and you are unable to locate the exact name/number, please complete the most closely related topic. You should always go by topic name if there is a question. You can email me for clarification, too. Best of luck! Looking forward to seeing you in August.

Algebra 1 Summer Work

From the Eighth Grade Course Heading

- A. 4 Prime Factorization
- A. 5: Greatest common factor
- A.6: Least Common Multiple
- B.3: Absolute value and opposite integers
- C.3: Add and subtract integers
- C.4: Add and subtract three or more integers
- C.7: Multiply and divide integers

- D.2: Least Common Denominator
- D.3: Least common denominator
- E.2: Add and subtract rational numbers
- E.5: Multiply and divide rational numbers
- E.8: Apply addition, subtraction, multiplication, and division rules
- F.2: Evaluating exponents
- F.3 Solve Equations with variable exponents
- F.6: Understanding negative exponents
- H.4: Equivalent ratios: word problems
- H.5: Unit rates
- H.10: Solve Proportions
- J.1: Convert between percents, fractions, and decimals
- J.9: Solve percent equations
- V.5: Evaluate Multi-Variable Expressions
- V.11 Properties of Addition and Subtraction
- V.12 Multiply using Distributive Property
- V.15 Add, Subtract, Multiply linear expressions
- W.7: Solve two-step equations
- Z.6: Evaluate a function
- BB.4 Add and Subtract Polynomials
- BB.6 Multiply Monomials

Frequently Asked Questions

Question 1: How can I track my progress?

IXL keeps track of your progress. Your SmartScore will be in parentheses after the module name, as shown below.

Question 2: How much is this worth towards my first quarter grade?

In my courses, I mainly assess through quizzes, not major tests. Quizzes typically cover anywhere from one to four sections of the textbook, and they range in point value from 50 to 100 points. I compute quarter averages using straight points, not weights. With that in mind, here is my grading scheme for the IXL summer work.

Algebra 1: 25 bullet points 3 points per bullet point

The summer assignment grade will amount to being a large quiz grade, which will count towards your first quarter average.

Algebra II (all classes)

Textbook Information

Title: Algebra Form and Function

Authors: McCallum, Connally, Hughes-Hallett, et al.

Publisher: Wiley

ISBN #: 978-0-471-70708-0

Upper School Calculator Requirement

Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

If you already have a graphing calculator in the TI family, you can use your present model until you are in Statistics or Calculus. At that time, you will need the TI-Nspire CAS version.

Dear Algebra II Student,

I hope this message finds you wrapping up a successful year and looking forward to a wonderful summer. Upper school math classes will continue to use IXL as a strategy to foster increased success in your 2017-2018 mathematics courses.

IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

To get started on your computer, follow these easy steps:

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3. Click on Math at the top of the page and navigate to your class.
4. Find a skill to practice by doing one of the following:
 - Select a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.
 - Go to the Awards section. Each grade level presents challenges for you to conquer and virtual prizes to be uncovered. Place your mouse over any challenge to begin.

IXL is designed to help you learn at your own pace. The website is adaptive and will adjust to your demonstrated ability level. The site also saves all of your results, so you can monitor your progress anytime by clicking on the Reports at the top of the page.

This summer, your assignment is to attain a SmartScore of 85 for each assigned module. See below for assigned modules (bullet points). Grades will be awarded based upon your SmartScore in each module. See FAQs for grading.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures learned in previous classes. If you feel that you need more practice in a particular module, I encourage you to work towards a SmartScore of 100. You may also explore unassigned topics if you choose. Assigned material should be completed no later than August 23, 2017. By reviewing over the summer, we can “hit the ground running,” in August.

In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

As always, please let me know if you have any questions. I can be reached by email at paige.phillips@sdsgriffin.org

Best,

Ms. Paige Phillips

***Sometimes IXL updates topic numbers/titles. If there is a discrepancy, and you are unable to locate the exact name/number, please complete the most closely related topic. You should always go by topic name if there is a question. You can email me for clarification, too. Best of luck! Looking forward to seeing you in August.

Algebra 2 summer work

From the Algebra One Course Heading

- A.6: Square roots
- A.7: Cube roots
- B.2: Evaluate numerical expressions involving integers
- C.5: Solve proportions
- D.2 Solve Percent Equations
- D.4 Percent of Change
- F.3: Area and perimeter: word problems
- F.4: Volume

F.5 Surface Area

G.1: Coordinate graph review

G.2: Midpoints

G.3: Distance between two points

H.1: Properties of addition and multiplication

H.2: Distributive Property

H.3: Simplifying variable exp. using properties

I.7: Solve equations using order of operations

J.11: Solve linear equations mixed review

K.6 Solve one-step linear inequalities

K.8: Solve two-step linear inequalities

K.15: Graph solutions to compound inequalities

L.1: Solve absolute value equations

Q.6: Find values using function graphs

Q.7: Evaluate a function

S.3: Find slope from two points

S.8: Slope Intercept Form: write an equation

U.8: Solve a system of equations using substitution

U.10: Solve a system of equations using elimination

Z.4: Add and subtract polynomials

Z.6: Multiply a polynomial by a monomial

Z.8: Multiply two binomials

Z.10: Multiply polynomials

AA.1: GCF of monomials

AA.2: Factor out a monomial

AA.3: Factor quadratics with leading coefficient 1

EE.1: Simplifying Radical Expressions

Frequently Asked Questions

Question 1: How can I track my progress?

IXL keeps track of your progress. Your SmartScore will be in parentheses after the module name, as shown below.

Question 2: How much is this worth towards my first quarter grade?

In my courses, I mainly assess through quizzes, not major tests. Quizzes typically cover anywhere from one to four sections of the textbook, and they range in point value from 50 to 100 points. I compute quarter averages using straight points, not weights. With that in mind, here is my grading scheme for the IXL summer work.

Algebra 2: 3 points per successfully completed bullet point (85% mastery)

The summer assignment grade will amount quiz grade, which will count towards your first quarter average.

AP Calculus

I know you're wondering how to best prepare for the tasks ahead, so am sharing a list of things you should know well before we begin in August. If these topics seem a bit distant, you might brush up on Kahn Academy or any other site or use any text you already have.

Here are some topics in no particular order:

1. Basic algebra (operations, factoring, graphing, solving equations, etc.)
2. Trig facts (definitions, unit circle) and identities (quotient, reciprocal, Pythagorean, double angle, etc.)
3. Be able to solve trigonometric equations and prove identities.
4. Exponential and logarithmic rules and be able to use them to solve equations that contain variable exponents and/or logarithms.
5. Know your calculator. Be able to manipulate expressions, solve equations and graph functions.
6. Graphing without your calculator. Do this for simple parent functions and combination functions.

Be aware that we will spend little or no time reviewing the algebra and trig that you should be master of as there is not time in our schedule to do so. Calculus will be challenging but incremental and you should be able to handle it day by day if you start with the tools you need. It will be a great adventure.

Tools for doing the above are: your text or a similar text, Kahn Academy or a similar on-line source, tests that you saved from this year, and whatever other sources you can find.

If you are purchasing a new calculator, get the TI-nSpire CAS version.

If you already have a graphing calculator in the TI family, you can use it, but you would do better to have a TI-89 or TI-nSpire CAS version for AP Calculus.

If you have questions, please email me or stop by to see Ms. Tobey..