

Dear Arrow Student,

This is the summer math assignment for those taking Algebra 2 next year. Unless you register within two weeks of the beginning of the school year, you are responsible for these concepts **before** school starts in the fall. The first test grade of the quarter will include 50% completion grade for the summer assignment and 50% from the average of Chapter 1 and Chapter 2 Test.

This assignment will be collected from each student the first day back and adequate work must be shown for problems as appropriate. Five points will be deducted for each day the assignment is not turned in to the math teacher.

If you have trouble working the problems, look at the examples in the textbook, check out the following websites, or ask a friend or parent for help. Problems should be familiar and cover basic skills that will help you achieve success in Algebra 2. Of course, you may need to refresh your memory as you work through the problems. I hope you have a wonderful summer!

Also, make sure you have a graphing calculator (TI-83, TI-83+, or TI-84 preferred). You can buy one on www.ebay.com for a good discount.

Top Online Resources:

<http://www.Mathisfun.com/>

<http://Ixl.com>

<http://www.khanacademy.org/math/cc-eighth-grade-math>

<http://www.studentguide.org/a-complete-list-of-online-math-resources/>

Blessings,

Susan Yoder,

veggiesrus28@hotmail.com

****There will be two FREE tutoring sessions this summer at my house, 227 Armanda Ct, Lexington, SC.

Chapter #1 Review and Study Session, Tuesday, June 27th 9:30-11:30

Chapter #2 Review and Study Session, Thursday, July 27th, morning or afternoon

Please email me to RSVP. Please email me as well if those dates don't work for you, but you would like to participate. I don't know how many students are enrolled yet, but I anticipate a smaller class, and will try to make it work for your schedules as I am somewhat flexible this summer.

****I will also be available via Skype or Facetime if you get stuck on a particular concept. Just email me and we can set up a time.

See next page for Assignment

Summer Assignment

You will need your Algebra 2 textbook, 3rd Edition, Bob Jones Press for the following assignments. You also can use your TI-83, TI-83+, or TI-84 graphing calculator for assistance.

CHAPTER 1

1. Use the questions in the table below to assess yourself on Chapter 1 concepts.

1. Can you list and define the major subsets of the real number system? (i.e. Real, Rational, Irrational, Integers, Whole, and Counting #'s) Section 1.1
2. Are you proficient with your rules of exponents? Section 1.3
3. Are you proficient with PEMDAS (order of operations)? Section 1.2
4. Can you solve linear equations and inequalities? Section 1.4 and 1.6
5. Can you write equations and use them to solve word problems? Section 1.5

2. Complete all of the "Cumulative Review" problems in the green boxes at the end of EACH section in Chapter 1, Sections 1.1 to 1.6.

3. Complete the Chapter 1 review on pages 51-52 (skip # 36-43). Parent should grade it for accuracy. Review missed material and make corrections on a separate piece of paper.

4. Take the Chapter 1 test (you can use a calculator), skip #11, 12, & 16. Mrs. Yoder will grade when students return to Arrows in August.

CHAPTER 2

1. Use the questions in the table below to assess yourself on Chapter 2 concepts.

1. Can you identify relations and functions and state their domain and range? Section 2.1
2. Can you use function notation to evaluate functions? Section 2.1
3. Do you know how to determine the slope and x- and y-intercepts of a line? Section 2.2
4. Do you know how to graph linear equations? Section 2.2
5. Can you determine the equation of a line if given two points? Section 2.3
6. Can you create scatterplots and linear models given data? Section 2.4
7. Can you graph and write function rules for constant, piecewise, greatest integer, and absolute value functions? Section 2.5
8. Can you find the length and the midpoint of a segment given its endpoints? Section 2.7

2. Complete all of the "Cumulative Review" problems in the green boxes at the end of EACH section in Chapter 2. You can skip Section 2.6

3. Complete the Chapter 2 review on pages 90-91 (skip #31, 32). Parent should grade it for accuracy. Review missed material and make corrections on a separate piece of paper.

4. Take the Chapter 2 test (you can use a calculator), skip #16, 17, 18, 19). Mrs. Yoder will grade when students return to Arrows in August.