Dear Arrow Student,

There will be NO mandatory summer math work for this course; however when you come to class the first week of school, I will move very briskly through the first two chapters of the BJU Algebra 2 textbook. I recommend that you flip through Chapters 1 and 2 scanning the pages for the skills that are covered there. My expectation is that you are very familiar and competent with the following skills and concepts.

Chapter 1

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

Chapter 2

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

If you have trouble with any of the above concepts, look at the examples in the textbook, check out the following websites, or ask a friend or parent for help. 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://patrickjmt.com
http://www.Mathisfun.com/
http://lxl.com
http://www.khanacademy.org/math/cc-eighth-grade-math
http://www.studentguide.org/a-complete-list-of-online-math-resources/

Blessings,
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