

Welcome Algebra Students!!!

Algebra: *noun*

Generalized version of arithmetic that uses variables to stand for unspecified numbers. Its purpose is to solve algebraic equations or systems of equations.

Your summer assignment is due the first day of school, Sept. 9, 2013.

If you successfully completed the Integrated Algebra Regents Exam in June, do the Geometry assignment.

Upon entering Integrated Algebra, there are certain topics with which you should be competent. Watch the online videos and take notes for the following chapters and sections:

1 - 1, 1 - 2, 1 - 3, 2 - 4, 2 - 5, 3 - 1.

Use the link below to access videos to aid in reviewing these topics.

http://www.jmap.org/JMAP_INTEGRATED_ALGEBRA_PEARSON_RESOURCES.htm

Present your answers and solutions to the questions below as you would like. [Write it out, type it, make a presentation, make a comic strip, make a video, write a song, etc.] Be creative! Please pay attention to detail and make sure your work is complete and correct.

Here are the questions:

1) What is algebra and why do we need it? How have you used algebra in your life (outside of math class)? **Provide an example.**

2) How is an expression different from an equation? **Provide an example.**

3) Solve for x . $2x - 5 = 11$ **Explain your steps.**

4) Emily said that the absolute value of any real number is always greater than or equal to the number. Do you agree with Emily? **Explain your answer.**

5) **Explain** why 2 is the only even prime.

6) The sum of two numbers is positive. One of the numbers is negative. Is the other number positive or negative? **Explain your answer.**

7) a. **Explain** why the sum of a and 4 can be written as $a + 4$ or as $4 + a$.

b. **Explain** why 3 less than a can be written as $a - 3$ but not as $3 - a$.