Honors Algebra – Summer Work

Dear future T. F. North Honors Math Student,

In order to prepare for our upcoming mathematical journey, it is necessary for you to understand some concepts in Algebra that will play a vital role in your upcoming math class. You need to make an account with Khan Academy. Then follow the directions below. Khan Academy in an internet based problem and can be accessed through any web connected device. If you do not have a device to access the web, you can use the computers in TF North Library, Monday – Thursday from 8am- 1pm, July 11th through August 4th.

DON’T wait until the last minute to finish these concepts. It is best if you spread these 4 chapters over the summer such that it is not too overwhelming. This will be graded, based upon skills mastered, AND you will be tested upon these concepts during your first week of school. **This assignment will be due at 8:00 a.m., Wednesday, August 17, 2016. Late assignments will not be accepted.** I am looking forward to our adventure together.

Mrs. Jones

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QTT3PM

Khan Academy chapters to be done for Honors Algebra over the summer. A test will be given during the first week of school AND a grade will be given for these concepts. Only the problems will be graded for skills mastered. These are the sections marked with a star. The videos, marked with an arrow, are there to help you if you are having difficulty. You do not have to watch every video. You are not graded for watching the videos.

1. **Introduction to Algebra**
2. Introduction to variables
3. Substitution and evaluating expressions
4. Evaluating expressions word problems
5. Writing algebraic expressions introduction
6. Introduction to equivalent algebraic expressions
7. Dependent and independent variables
8. Combing like terms
9. Interpreting linear expressions
10. **One Variable Linear Equations**
11. Algebraic equation basics
12. One step addition and subtraction equations
13. One step multiplication and division equations
14. Two step equation intro
15. Two step word problems
16. Linear equations with variables on both sides
17. Linear equations with parenthesis
18. Analyzing the number of solutions to linear equations
19. Linear equation word problems
20. Linear equations with unknown coefficients
21. **One Step Linear Inequalities**
22. One Step Inequalities
23. Two Step Inequalities
24. Multistep Inequalities
25. Compound Inequalities
26. **Absolute Value Equations, Functions, and Inequalities**
27. Solving absolute value equations
28. Solving Absolute value inequalities