

EXPLORE TEST

PLAINFIELD EAST HIGH SCHOOL

THURSDAY 4/29/10

TEST LENGTH: 30 minutes

NUMBER OF QUESTIONS: 30 questions

<p>TOPICS TESTED ON THE EXPLORE TEST</p>	<ol style="list-style-type: none"> 1. Pre-Algebra. Items in this content area are based on basic operations using whole numbers, decimals, fractions, and integers; place value; square roots and approximations; the concept of exponents; scientific notation; factors; ratio, proportion, and percent. 2. Elementary Algebra. Items in this content area are based on operations with algebraic expressions. The operations include evaluation of algebraic expressions by substitution, use of variables to express relationships, solutions of linear equations in one variable, use of real number lines to represent numbers, and graphing of points in the standard coordinate plane. 3. Geometry. Items in this content area cover such topics as the use of scales and measurement systems, plane and solid geometric figures and associated relationships and concepts, the concept of angles and their measures, parallelism, relationships of triangles, properties of a circle, and the Pythagorean theorem. All of these topics are addressed at a level preceding formal geometry. 4. Statistics/Probability. Items in this content area cover such topics as elementary counting and rudimentary probability; data collection, representation, and interpretation; and reading and relating graphs, charts, and other representations of data. These topics are addressed at a level preceding formal statistics. 	<p style="text-align: center;"><u>TIPS & INFORMATION</u></p> <p style="text-align: center;">YOU MAY USE A CALCULATOR (SEE POLICY BELOW)</p> <p style="text-align: center;">**WE STRONGLY SUGGEST YOU BRING A CALCULATOR**</p> <p style="text-align: center;">YOU MAY <u>NOT</u> USE A FORMULA SHEET OR A NOTE CARD</p> <p style="text-align: center;">ANSWER <u>ALL</u> QUESTIONS!</p> <p style="text-align: center;">YOU ARE NOT PENALIZED FOR GUESSING</p>
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Prohibited Calculators

The following types of calculators are prohibited:

- Calculators with built-in computer algebra systems
Prohibited calculators in this category include:
 - Texas Instruments: All model numbers that begin with **TI-89** or **TI-92** and the **TI-Nspire CAS**—Note: The TI-Nspire (non-CAS) is permitted.
 - Hewlett-Packard: **HP 48GII** and all model numbers that begin with **HP 40G**, **HP 49G**, or **HP 50G**
 - Casio: **Algebra fx 2.0**, **ClassPad 300** and **ClassPad 330**, and all model numbers that begin with **CFX-9970G**