



Hillsborough High School

Hillsborough County Public Schools

March 31st, 2011

From: IB Mathematics teachers
To: Parents of entering 9th grade IB students

RE: Bright Futures and SAT preparation

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A Florida "A" School.

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An International
Baccalaureate
School

House Bill 5001 was signed into law and changes the funding of Bright Futures. The new budget reduces the Bright Futures scholarship by \$1 for every credit hour next year. Also, SAT requirements will be raised over the next three years, leading to about a third fewer students qualifying for the scholarship. (St. Petersburg Times, May 2, 2010)

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With these economic changes in mind, the IB Algebra II teachers at Hillsborough High School will administer an Algebra I diagnostic test the first day of class in the Fall. The content of the diagnostic test will reflect topics reviewed in Barron's Prepare for the SAT 24th Edition, by Green, Sharon and I.K. Wolf (copyright 2008, ISBN-13: 978-0-7641-3803-4).

We suggest the following 6-week summer schedule:

1. 9-A Basic Arithmetic Concepts, p.410. Problems: p.427#1-20.
2. 9-B Fractions and Decimals, p.432. Problems: p.445#1-15.
3. 9-C Percents, p.450. Problems: p.455#1-20.
4. 9-D Ratios and Proportions, p.461. Problems: p.469#1-15.
5. 9-E Averages, p.473. Problems: p.477#1-12.
6. 9-F Polynomials, p.480. Problems: p.486#1-10.

Since parts of senior IB Exit Examinations are without calculator, we suggest that these basic skill problems are done without a calculator. We also suggest that your child write the essence of each example problem as well as the solution in the margin of the text. "Mathematics is read with a pencil!" We will be checking for note taking within your child's Barron's Preparation book.

Thank you for your support in our efforts to improve your child's Mathematics Education.

Hillsborough High School IB Math Department

