

# EXTRA CREDIT

## MR. SORRENTINO'S MATH CLASSES

The following are extra-credit opportunities that all students can earn. For students in Statistics and Calculus this will only be applied to your HIGH SCHOOL GRADE portion of your grade. For all of the other classes these will be added to your EXAM/QUIZ grade.

- |   |                              |
|---|------------------------------|
| ➤ Clean blackboards (Monday – Thursday) | 1 pt.                        |
| ➤ Decorate my classroom                 | 1 – 5 pts.                   |
| ➤ Participate in Math League            | 1 pt + points earned on test |

### POSTERS:

Posters can only be done for classes that are NOT through the University of Pittsburgh. (Sorry Calculus and Statistics.) Posters will add points to your EXAM/QUIZ grades. A poster can earn up to **5 points**. I will judge your posters on the following criteria.

- (1) Needs to present correct information.
- (2) Needs to be neat and well-organized.
- (3) Should be on a topic that has not already been taken and made into a poster.
- (4) Should be bold enough to read from all over my classroom.
- (5) Your name should be written on the front, right-hand, bottom corner of the poster.
- (6) Be creative. Use colors, drawings, anything that will drive the point home.

### TOPICS:

ALGEBRA 2	PRECALCULUS
<ul style="list-style-type: none"><li>• Linear Equations</li><li>• Linear Regression</li><li>• FOIL</li><li>• Quadratic Formula</li><li>• Function Notation &amp; Operations</li><li>• Systems of Linear Equations</li><li>• Matrix Rules</li><li>• Exponent Rules</li><li>• Logarithm Rules and Properties</li><li>• Exponential Growth/Decay Formulas</li><li>• Polynomial Graph Appearance</li><li>• Parabola Characteristics</li><li>• Circle Characteristics</li><li>• Ellipse Characteristics</li><li>• Hyperbola Characteristics</li></ul>	<ul style="list-style-type: none"><li>• Algebra 2 Topics</li><li>• Pythagorean Theorem</li><li>• Trigonometric Function Definitions</li><li>• The Trigonometric Function Chart</li><li>• Explanation of Radian Measure</li><li>• The “Special” Triangles</li><li>• Inverse Trigonometric Functions</li><li>• Trigonometric Identities</li><li>• Polar Coordinates</li><li>• Explicit VS Recursive Formulas for Series</li><li>• Arithmetic Series Information</li><li>• Geometric Series Information</li><li>• Infinite Series Information</li><li>• Limit Rules*</li></ul>

## **THE MATH DISCUSSION BOARD:**

I have acquired a free online discussion board that I open to all of my students to use for this year. It is a place where you can post questions and respond to others' questions on topics that you are working on in your classes. Use of this board may also aide you in completing your journal entries by allowing you to post a question and have others answer your questions.

It also allows you to post a question online should you not have been able to ask me in class. I will check the board periodically and answer questions as well.

Use of the board will earn you extra credit applied to your ATTENDANCE / PARTICIPATION grade. (Pitt students, again this would be applied to your HIGH SCHOOL GRADE).

The points you earn will be as follows:

<b>2 pts</b>	Posting a new topic.
<b>1 pt</b>	Replying to another person's post.

Posts, whether they be a new topic or a reply should be discussing a math topic from your particular class only. They should also be expressing complete thoughts expressed clearly. Posts that do not do this will receive no points.

Use of obscene language or using the board for anything but discussing math topics will result in you being banned from the discussion board.

To use the discussion board you must sign up to use it. Follow the procedure below to do so.

1. Follow the link to my discussion board on my website (it is found on the USEFUL LINKS page).
2. Register for the discussion board.
3. Send me an e-mail so that I know that you signed up and so I can make sure that I accept only e-mail addresses of students in my classes to use the board.
4. You will receive an e-mail that informs you that you have been given access to the discussion board. You are able to use the discussion board at that point.

## **EXTRA CREDIT POINT LIMIT:**

**20 point maximum for EXAM/QUIZZES grade.**

**20 point maximum for ATTENDANCE/PARTICIPATION grade.**

**[Pitt students: 40 point maximum applied to your HIGH SCHOOL GRADE]**