Math II-Unit Review

You will prepare and present a review a unit as a group and will teach the class.

You will be given time in class to prepare. Presentations will begin May 22th in the order of the Units below.

**Direct and Indirect Variation** ( only 2nd period A day and 4th period B day- 2 people will present on May 22nd)

**Transformations** (3 people will present May 22nd)

Translations, Rotations, Reflections and Dilations

**Geometry** (2 people will present on May 22nd )

Highlight important vocabulary; segment addition; mid-segments; Finding angle measurements; Congruency Postulates;

**Geometric Proofs** (3 people will present May 22nd )

Similarity, Congruence and Corresponding Parts of Congruent Triangles are congruent

**Fred Functions**( only 2nd period A day and 4th period B day- 3 people will present May 22nd )

**Quadratics** (4 people will present on May 24th)

Factoring where a>1; Quadratic Formula; Discriminant; Graphing Quadratic Inequalities; Quadratic Vertex Form; Complex Numbers

**Advanced Functions** (5 people will present on May 24th )

Square Root and Cube Root Functions; Solving square root and cube root equations; Graphing Absolute value functions; Inverse Variation

**Trigonometry** (5 people will present May 24th)

Short Pythagorean theorem review; SOHCATOA; Angles of elevation and depression; Graphs of sin, cos, tan; Midline and Amplitude; Area of Triangles; Law of Sine and Cosine

**Probability** (3 people will present May 24th)

Mutually Exclusive and Inclusive Events; Independent and Dependent Events; Venn Diagrams

Requirements:

1. Create a review handout (typed). This needs to be turned in 2 days prior to presentation, if you need copies made for the class.
2. Create a worksheet (typed) with at least 5 questions on it. You must provide an answer key. This needs to be turned in 2 days prior to presentation, if you need copies made for the class.
3. Teach a lesson to the class for 15 minutes. If you make a PowerPoint, you must put it on a USB flash drive in order to access it on the day of your presentation. Creativity (skit, song, etc) will be rewarded.
4. Be prepared to answer questions.
5. Everyone in the group participates equally.

**Grading Rubric:**

Review Handout:

Accurate/Complete 20 points

Neatness 10 points

Review Worksheet:

Minimal question requirement 10 points

Correct answers 15 points

Prior Approval 5 points

Presentation:

Correct 15 points

Teacher rating 5 points

Avg. Peer rating 5 points

Good Audience for others 5 points

Equal Participation 5 points

Cohesiveness 5 points

100 points

Creativity 10 points max

Feedback Form for Group Review Sessions

YOUR NAME

(Your ratings will be kept confidential.)

NAMES OF STUDENTS YOU’RE EVALUATING

|  |  |
| --- | --- |
| **CATEGORY** | **YOUR RATING** |
| Presenters were well organized. |  |
| Presenters were upbeat and energetic. |  |
| Presenters communicated clearly. |  |
| Presenters made effective use of available time. |  |
| Audience were given opportunities to ask questions, and felt comfortable doing so. |  |
| Audience received adequate hands-on practice. |  |
| Presentation covered scope of topic to the extent possible, given constraints on time. |  |

You should give this group ratings of 3 (excellent), 2 (good), 1 (fair), or 0 (poor) in each of the following categories:

ADDITIONAL COMMENTS

Math II Honors

**2016– 2017**

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|  |  |
| --- | --- |
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ADDITIONAL COMMENTS