

AP REVIEW PACKET #5 INSTRUCTIONS – 30 points– due *IN CLASS* on Tuesday, April 9th

- 1) Do Practice Exam 1 From the Back of your Barron's Book on a separate paper. (Grade in green or red.)
- 2) Calculate you projected AP Score, show work. AP Score = _____
- 3) The thing I need to work on the most is. _____.

Optional Bonus Activity: Go to <http://learner.org/resources/series65.html>. Watch program 7 answer the questions on the worksheet.

MODELS FOR GROWTH

1. What type of growth adds a fixed amount in regular intervals? _____
2. What type of growth multiplies by a fixed amount in regular intervals? _____
3. What example in the video illustrates linear growth? _____
4. What are the vertical distances from the data points to the line? _____
5. If a point falls exactly on the linear model, what is its residual? _____
6. What is a prediction based on extending a model beyond the data? _____
7. What kind of growth does a linear model work well for? _____
8. What example in the video illustrates exponential growth exceed the linear growth? _____
9. In the chessboard example, on what square does the exponential growth exceed the linear growth? _____
10. What transformation is used to transform exponential data? _____