Summer Math for Entering AP Calculus

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| Introducing ALEKSThis summer you are using ALEKS (Assessment and LEarning in Knowledge Spaces) which is a research-based personalized online Math Program. The purpose of this summer project is to improve your mathematical skills so that you will improve your chances of earning a better grade in your next math class and improving your chances of improving your score on standardized math testing (for example, the math section of the ACT and the AP Calculus exam).Expectations* You are to log in to ALEKS ([www.aleks.com](http://www.aleks.com)) and take the initial assessment for the course Precalculus by June 6, 2014.
* Your goal for the summer is to raise your performance score by at least 30% over your initial assessment score, with the goal of achieving an 85% score by the end of the summer.
* It is expected that you will login to ALEKS and work on the problems each week throughout the summer. On average it should require working in ALEKS 2 to 3 hours per week (for a total of 20-30 hours for the summer) to accomplish the minimum goal, depending on how much material you have to cover. If there are weeks that you will not have computer access, plan to spend extra time on the computer in the weeks before and/or after to complete the assignment.
* As you are working on the problems you may only use a calculator when ALEKS makes a calculator available.
* Your grade will be the total percent improvement over the summer up to a total of 30 points.
* All ALEKS summer work must be completed by the end of the day on August 25, 2014.

Pie ChartBased on your assessment, you have received a color-keyed pie chart. **In the "pie," each "slice" corresponds to a particular area of the course**, such as "geometry" or "functions and graphs". The degree to which each slice is filled by darker color shows the extent to which you have mastered that area.

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| Zoom In |
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Each slice of the pie may be opened to produce a list of concepts on which you can choose to work.

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Learning ModeBy clicking on any of the items suggested in the pie chart, you make an immediate transition into the **Learning Mode**. The Learning Mode provides practice problems and offers explanations of concepts and procedures. Pie Chart

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| Close |
| Learning Mode |

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Immediate FeedbackYou receive immediate feedback, and in certain cases suggestions for correcting mistakes.

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| Zoom In |
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| Close |
| Immediate Feedback |

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AssessmentAs you work through the topics ALEKS will reassess you automatically at regular intervals. These progress assessments occur each time you add approximately 20 topics to the pie chart. Topics which you do not demonstrate mastery and retention go back into the pie chart for you to practice again.ReviewIn the Learning Mode, you are also able to review topics you have previously or recently mastered.

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| Close |
| Review |

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Need Help?There is a help command that can be used to obtain assistance in working with ALEKS. If you have an issue for which you need assistance, please email one of the following people with a description of the issue.Mr. Ward: pward@southfieldchristian.org Mrs. Ruffin: aruffin@southfieldchristian.org

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