

## Calculus Grade Report

January 23, 2020

Art of Problem Solving Inc.  
10865 Rancho Bernardo Rd Ste 100  
San Diego, CA 92127

Greetings,

This letter is to confirm that Venkataram Edavamadathil Sivaram has completed Art of Problem Solving's Calculus course. This class is a complete single-variable calculus course, including topics such as limits, continuity, derivatives and their applications, definite and indefinite integrals, infinite sequences and series, plane curves, polar coordinates, and basic differential equations. This class is approved by the College Board as an AP BC calculus class and should be considered equivalent to a full year of topics in Calculus as well as advanced topics not included in most standard curricula. Venkataram earned a grade of A in this course.

Sincerely,

Dr. D. Jeremy Copeland  
Art of Problem Solving  
[classes@artofproblemsolving.com](mailto:classes@artofproblemsolving.com)

### Instructor Comments

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Venkataram was a great student in this Calculus class. His performance on the homework assignments was also generally strong, showing a solid understanding of the material we covered in class. When he did struggle occasionally on a problem, his errors seemed to be in making small mistakes. So, I'd encourage him to take a bit more care with proofreading his solutions in the future, to try to catch error like this!

Overall, Venkataram did very well in this course, and is well-prepared to continue on to more advanced mathematics.

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## Student Report



## How to Read This Report

Our system for communicating progress to students is based on colors. The green line is the target we set for them, since this is the point where we tell students that they have passed the week's material and are ready to move on. The blue line is the mastery line, and offers an extra challenge to the most motivated students.

**Overall:** This bar is built by combining the Challenge, Writing, and Participation bars. The length is based 32% on the Challenge Problem score, 64% on the writing problems score, and 4% on the Class Participation score.

**Challenge:** Every week, the student is challenged with 6-12 difficult short-answer problems based on the week's topic. These problems collectively test the student's ability to correctly apply the key concepts of the week. Students are allowed to re-attempt a problem until they answer correctly. The answers are automatically graded by a computer, giving the student instant feedback along with a full solution to each problem.

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**Writing:** Writing Problems require a student to write a full solution in complete sentences, rather than simply provide a numerical answer. Each problem serves as a capstone for the week and provides practice in mathematical writing. Here, the student is expected to articulate their creative, critical, and logical reasoning, and to show any step-by-step computations that lead to their final answer or proof. Writing problems are reviewed by our instructional staff, and students receive a grade as well as personalized feedback on both the technical and stylistic aspects of their submission.

**Participation:** The participation score is generated automatically by monitoring performance during class time.