



# Precalculus with Limits: A Graphing Approach

By Ron Larson, Bruce H. Edwards, Robert Hostetler

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## **Precalculus with Limits: A Graphing Approach** By Ron Larson, Bruce H. Edwards, Robert Hostetler **Bibliography**

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## **Editorial Review**

### Review

Note: Each chapter concludes with a Chapter Summary, Review Exercises, and a Chapter Test.

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8. Sequences, Series, and Probability 8.1 Sequences and Series 8.2 Arithmetic Sequences and Partial Sums 8.3 Geometric Sequences and Series 8.4 Mathematical Induction 8.5 The Binomial Theorem 8.6 Counting Principles 8.7 Probability

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10. Analytic Geometry in Three Dimensions 10.1 The Three-Dimensional Coordinate System 10.2 Vectors in Space 10.3 The Cross Product of Two Vectors 10.4 Lines and Planes in Space

11. Limits and an Introduction to Calculus 11.1 Introduction to Limits 11.2 Techniques for Evaluating Limits 11.3 The Tangent Line Problem 11.4 Limits at Infinity and Limits of Sequences 11.5 The Area Problem Cumulative Test: Chapters 10-11

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Appendix C Proofs of Selected Theorems Appendix D Concepts in Statistics D.1 Measures of Central Tendency and Dispersion D.2 Least Squares Regression

Appendix E Solving Linear Equations and Inequalities Appendix F Systems of Inequalities F.1 Solving Systems of Inequalities F.2 Linear Programming

### About the Author

Dr. Ron Larson is a professor of mathematics at The Pennsylvania State University, where he has taught since 1970. He received his Ph.D. in mathematics from the University of Colorado and is considered the pioneer of using multimedia to enhance the learning of mathematics, having authored over 30 software titles since 1990. Dr. Larson conducts numerous seminars and in-service workshops for math educators around the country about using computer technology as an instructional tool and motivational aid. He is the recipient of

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The Pennsylvania State University, The Behrend College Bio: Robert P. Hostetler received his Ph.D. in mathematics from The Pennsylvania State University in 1970. He has taught at Penn State for many years and has authored several calculus, precalculus, and intermediate algebra textbooks. His teaching specialties include remedial algebra, calculus, and math education, and his research interests include mathematics education and textbooks.

Dr. Bruce H. Edwards is Professor of Mathematics at the University of Florida. Professor Edwards received his B.S. in Mathematics from Stanford University and his Ph.D. in Mathematics from Dartmouth College. He taught mathematics at a university near Bogotá, Colombia, as a Peace Corps volunteer. While teaching at the University of Florida, Professor Edwards has won many teaching awards, including Teacher of the Year in the College of Liberal Arts and Sciences, Liberal Arts and Sciences Student Council Teacher of the Year, and the University of Florida Honors Program Teacher of the Year. He was selected by the Office of Alumni Affairs to be the Distinguished Alumni Professor for 1991-1993. Professor Edwards has taught a variety of mathematics courses at the University of Florida, from first-year calculus to graduate-level classes in algebra and numerical analysis. He has been a frequent speaker at research conferences and meetings of the National Council of Teachers of Mathematics. He has also coauthored a wide range of award winning mathematics textbooks with Professor Ron Larson.

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