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Key Curriculum Press 1150 65th Street Emeryville, CA 94608510-595-7000Editorial@keypress.com 10 9 7 6 5 in the US 4 2 115 14 13 12 11ISBN 978-1-60440-058-8PC3_SM_FM.indd-2 6/23/11 3:54:48 PMiii Content Solution Manual vChapter1 Function and Mathematical Model Chapter 1 Chapter 2 Chapter 2 Functions To Match Data Chapter 31 Chapter 31 Polynomials and Rational Functions 5 Periodic Functions And the problem of the right triangle 79 Chapter 6 Application of trigonometric and circular functions 87Chapter 7 Trigonometric characteristics and identification Parametric function 103Chapter 8 Combined sine properties 119Chapter 9 Triangular 131Chapter 10 Conical section and quadrilateral surface 145Chapter 11 polar coordinates, Complex numbers and moving objects 169Chapter 12 3D vector 183Chapter 13 Matrix transformation and fractal number 199Chapter 14 Function of random variable 219Chapter 15 Sequence and series 231Chapter 16 Introduction to limits, Derivatives and Integral 241PC3_SM_FM.indd 3 6/23/11 3:54:49 PMPC3_SM_FM.indd 4 6/23/19 PM Solution Manual Overview Trix: The Concept and Application Solution Manual includes one possible complete solution with important procedures and explanations as needed. The solution is shown in the format used by the students. However, keep note that there may be multiple ways to solve a particular problem using the correct method. As with student text, accurate answers are displayed in ellipsis format. If an actual approximation is required for the answer, the exact calculation is used until the final answer is found, indicating the appropriate rounding. If a calculator program is called, sample programs and descriptions are provided .com/keymath/precalc. The program can be downloaded TI-83, TI-84, and TI-Nspire calculators. No resolution is provided for journal items. Student responses are very personal and vary from student to student. vPC3_SM_FM.indd 5 6/23/11 3:54:49 PMPC3_SM_FM.indd 6/23/11 3:54:49 PM Problem Set 1-1 20m; 217.5m; It's below the cliff. b.0.3s;0.8s;5.3s c.5m d. Any time; some altitudes correspond to thanthanone time; some altitudes correspond to thanthanone time. e. 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