Cornelia Connelly School

Summer Work

AP Calculus BC

Book: *Calculus of a Single Variable* (your textbook)

Author: Larson, Hostetler, and Edwards

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Complete the following problems. These problems will be reviewed and tested upon at the end of the first week of school. These problems review the Calculus AB curriculum. The solutions are in the back of the book.

Chapter P   Precalculus Topics Review
Pg. 37   1, 3, 17, 19, 21, 23, 25, 29, 37, 39, 41, 45, 47

Chapter 1   Limits and Continuity Review
Pg. 91   3, 5, 11—23 odd, 25—35 odd, 39, 41, 43, 45, 47, 49, 51, 53, 57, 59, 63, 67

Chapter 2   Differentiation Review
Pg. 158   1—29 odd, 33—53 odd, 55—79 odd, 91, 99, 101, 105, 111, 113

Chapter 3   Applications of the Derivative Recap
Pg. 242   3—29 odd, 33—39 odd, 41—53 odd, 61, 67, 69, 71, 73, 75, 85

Chapter 4   Integration Review
Pg. 316   1—9 odd, 13, 15, 17, 19, 23, 27, 31—77 odd, 81, 83, 87, 89, 91, 95, 97

Chapter 5   Transcendental Function Review
Pg. 399   1-73 odd, 77, 79, 81

Chapter 6   Differential Equation Review
Pg. 441   1, 3, 5, 7, 9, 11, 17, 19, 21, 23, 25, 27, 31, 33, 35, 37

Chapter 7   Volume and Area Review
Pg. 513   1, 3, 4, 7, 11, 15, 21, 22, 25, 33