

CALCULUS 12
ASSIGNMENT SUMMARY

Chapter 4 : Extreme Values

Lesson 1 : Review and Preview to Chapter 4

Page 166 : 1 a – p

Lesson 2 : 4.1 Increasing and Decreasing Functions

Page 170 – 171 : 1 ab , 2 ace , 3 abc , 4 abefg

Lesson 3 : 4.2 Maximum and Minimum Values Part 1

Page 176 – 177 : 1 i , ii (a – d) , 3 a – 1

Lesson 4 : 4.2 Maximum and Minimum Values Part 2

Page 177 : 4 a – i , try j , 5 , 7

Lesson 5 : 4.3 The First Derivative Test

Page 182 : 1 a – d , 2 abdf , 3 a , 4 ad , 5 a – d

Lesson 6 : 4.4 Applied Maximum and Minimum Problems Part 1

Page 188 – 189 : 1 – 6

Lesson 7 : 4.4 Applied Maximum and Minimum Problems Part 2

Page 189 – 190 : 7 ab , 8 , 10 – 12 , try 13 , try 16 , try 17

Lesson 8 : Chapter 4 Review

1. Review the notes and examples for each lesson.
 2. Review the assignments for each lesson. **The word problems are very important.**
 3. Page 196 – 197 : 1 a – f , 2 a – d , 3 abc , 4 a – d , 5 , 6
 4. Page 199 : 1 , 2 , 3 abc , 4
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Lesson 9 : Chapter 4 Test