

Survey of Calculus
Homework Assignment Sheet 3

General Directions

- Always read and follow the directions on this assignment sheet - they may be different from the directions in the text.
- To receive full credit you must show adequate support work. If you are not sure what work to show, ask for clarification.
- On graphing problems, you should use the methods introduced in class to produce as accurate a graph as possible. Label the scale on each axis and give a t-chart with at least 5 key points (mins, maxes, zeros, inflection points).
- It is very important that you check your answers. Answers to odds are in the back of your text. You may use the instructor's textbook to check your answers to even problems.

Assignment 18

4.1 p. 396 7, 21, 24, 38, 39, 42, 43, 45, 51, 58, 59, 60, 61, 65, 66, 69, 70

Cycle-back: 2.5 p. 275 #37; 2.7 p. 292 #28; 3.2 p. 334 #79 a-c

Assignment 19

4.2 p. 407 3, 5, 6, 9, 11, 12, 13, 16, 19, 21, 25, 26, 27, 29, 37, 38

Cycle-back: 1.2 p. 118 #26; 2.2 p. 231 #20; 2.7 p.292 #12; 3.2 p. 334 #56

Assignment 20

4.3 p. 421 9, 11, 12, 14, 27, 28, 32, 37, 38, 43, 45, 48, 53, 56, 59, 64, 78, 79, 93

Cycle-back: Ch 3 Rev p. 382 #23, #48

Assignment 21

4.4 p. 433 2, 3, 5, 18, 20, 21, 24, 31, 33, 36, 39, 40, 42, 45, 49, 51, 57, 59

Cycle-back: Ch 3 Rev p. 382 #24; 4.1 p. 397 #44

Assignment 22

4.5 p. 443 1, 5, 8, 12, 15, 21, 26, 27, 29, 41, 43, 45, 47, 48, 50, 56, 58

Cycle-back 3.2 p. 334 #70; 3.6 p. 376 #8; 4.2 p. 408 #26

Assignment 23

5.1 p. 479 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

Cycle-back 1.7 p. 174 #34; 2.2 p.231 # 16; 3.6 p. 376 #12; Ch 3 Rev p. 383 #26; Ch 4 Rev p. 466 #11, 23

Assignment 24

6.1 p. 554 2, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22

Cycle-back 4.5 p. 443 #59; Ch 4 Rev p. 466 #16; Ch 5 Rev p. 541 #15

Assignment 25

6.2 p. 562 3, 5, 8, 9, 14, 17, 24, 25, 30, 31, 37, 39, 41 a-c, 42 a-c, 51, 52

Cycle-back Ch 1 Test p. 193 #34; 2.2 p. 231 #26; Ch 3 Rev p. 382 #22; 4.3 p. 423 #55

Assignment 26

6.3 p.570 2, 3, 5, 6, 7, 8, 9, 10, 11, 13, 15, 17, 18, 19, 22

Cycle-back 1.6 p. 164 #22; 2.2 p. 231 #14; 3.6 p. 376 #13; 4.1 p. 397 #46; 4.4 p. 434 #43

Assignment 27

6.5 p. 586 1, 2, 3, 4, 5, 6, 7, 11, 13, 14, 17, 18, 19, 20, 22

Cycle-back 4.3 p. 421 #29; 4.5 p. 443 #18; 5.1 p. 479 #1; 6.2 p.562 #10, #32