

MATH 162 Spring 2018 Homework assignments

January 24, 2018:

Read Section 1.1

Solve from Section 1.1: #9, 11, 13-15, 20, 21, 25, 26, 31.

January 26, 2018:

Read Section 1.2

Solve from Section 1.2: # 1 – 19.

January 29, 2018:

Read Section 1.3

Solve from Section 1.3: # 1, 2, 3, 7 – 9, 12, 22, 25, 26.

QUIZ #1: Sections 1.1, 1.2

January 31, 2018:

Read Section 1.5

Solve from Section 1.5: # 1, 3, 4, 5, 9, 11, 17, 25, 30, 33.

February 02, 2018:

Read Section 1.6

**Solve from Section 1.6: # 1, 3, 5, 7, 9, 11, 15, 17, 19, 21, 25, 27,
33 – 35, 40.**

February 05, 2018:

Read Section 1.8

**Solve from Section 1.8: # 2 – 6, 9, 11 (a,b,c,d), 13 (a,b,c,d),
15, 27, 29, 37 – 42.**

QUIZ #2: Sections 1.3, 1.5, 1.6

February 07, 2018:

Read Section 1.9

Solve from Section 1.9: # 3, 4, 5, 7, 9, 13, 14, 17, 19, 23.

February 09, 2018:

**Review for Chapter 1 (pages 78 – 84): # 9, 12, 16, 23, 35, 41, 42, 53, 59,
75**

February 12, 2018:

Read Section 2.1

Solve from Section 2.1: # 3, 5, 6, 7, 9, 11, 12, 15, 19, 20.

QUIZ #3: Sections 1.8, 1.9

February 14, 2018:

Read Section 2.2

Solve from Section 2.2: # 1, 3, 5, 9, 10, 13, 14, 15, 17 – 20, 24, 25.

February 16, 2018:

Read Section 2.3

Solve from Section 2.3: # 5, 6, 7, 15, 17, 19, 22 – 27, 29.

February 21, 2018:

Read Section 2.4

Solve from Section 2.4: # 1, 4 – 10, 13, 19, 28.

Test #1: Sections 1.1, 1.2, 1.3, 1.5, 1.6, 1.8, 1.9, 2.1, 2.2, 2.3, 2.4

**February 26, 2018: Read Focus on Theory section from Chapter 2
(pages 131 – 135)**

Solve from Focus on Theory section:

1, 13, 14, 15, 16, 25, 26, 27, 35, 37, 39, 41.

February 28, 2018:

Read Section 3.1

Solve from Section 3.1: # 1 – 17 (odd), 25 – 27, 41, 49, 63, 66.

QUIZ #4: Section Focus on Theory (Chapter 2)

March 02, 2018:

Read Section 3.2

Solve from Section 3.2: #1 – 9 (odd), 21, 25, 27, 37, 45, 54.

March 05, 2018:

Read Section 3.3

Solve from Section 3.3: #3, 7, 8, 9, 11, 14, 15, 17, 22, 24, 34, 38.

March 07, 2018:

Read Section 3.4

Solve from Section 3.4: #3, 5 – 10, 15, 17, 18, 19, 23 – 28, 35, 37.

QUIZ #5: Sections 3.1, 3.2, 3.3

March 09, 2018:

Read Section 3.5

Solve from Section 3.5: #1, 3, 4, 7, 9 – 11, 13, 15 – 17, 19 – 21, 24 (b, c).

Read Focus on Theory section from Chapter 3

(pages 171 – 173)

Solve from Review Problems for Chapter 3:

1, 7, 15, 17, 19, 25, 29, 33, 35, 51, 57, 61.

March 12, 2018:

Read Section 4.1

Solve from Section 4.1: #1, 3, 4, 9, 10, 12, 15, 16, 20, 25, 27, 34.

For # 9, 10, 12, 16: find and characterize critical points (you do not need to graph the functions)

March 14, 2018:

Read Section 4.2

Solve from Section 4.2: #1, 3, 5, 7, 12, 14, 17, 21, 23, 24, 25.

(You do not need to graph the functions in #12, 14, 17, 21.)

QUIZ #6: Sections 3.4, 3.5, 4.1

March 16, 2018:

Read Section 4.3

Solve from Section 4.3: #1, 2, 5, 7, 10, 11, 16, 23, 27, 34, 39, 42, 46.

March 19, 2018:

Read Section 4.4

Solve from Section 4.4: #1, 3, 16, 18, 21, 22.

Read Section 4.8

Solve from Section 4.8: #1(b), 8(a, b).

Review for Chapter 4 (pages 228 – 233): # 5, 8, 15, 21, 49(a,b), 62.

TEST #2: Chapter 2: Focus on Theory (pp. 131 – 135);

Sections 3.1, 3.2, 3.3, 3.4, 3.5, 4.1, 4.2, 4.3, 4.4, 4.8

April 02, 2018:

Read Section 6.2

**Solve from Section 6.2: #19, 21, 25, 29, 31, 33, 35, 39, 53, 55, 57, 63, 65,
#69, 71, 73, 77, 79.**

April 04, 2018:

Read Section 5.1

Read Section 5.2

Read Section 6.3

Solve from Section 6.3: #1 – 15, 20.

QUIZ #7: Section 6.2

April 06, 2018:

Read Section 6.6

Solve from Section 6.6: #7, 9, 11, 15 – 45 (odd), 51 – 59 (odd).

April 09, 2018:

Read Section 5.3

Solve from Section 5.3: #1 – 9, 11, 13, 19.

Also! Page 277: #21, 23; page 305: #23, page 321: #61.

QUIZ #8: Scientific Notebook

April 13, 2018:

Read Section 5.4

Solve from Section 5.4: #1 – 3, 6, 9, 10 – 14, 17, 21, 29.

April 16, 2018:

Read Section 5.5

Solve from Section 5.5: # 5, 7(b, c, d), 9, 11 (b, c).

April 18, 2018:

Read Section 5.6

Solve from Section 5.6: #1, 3, 4, 11 (a), 12, 23.

Also! Page 305: #22, page 321: #62.

QUIZ #9: Sections 6.6, 5.3

April 20, 2018:

Read Section 5.6

Solve from Section 5.6: #1, 3, 4, 11 (a), 12, 23.

Also! Page 305: #22, page 321: #62.

Read Section 6.1

Solve from Section 6.1: #6, 7, 15, 19, 21, 23, 24.

**Review for Chapter 5 (pages 276 – 279): # 13, 14, 15, 33, 35, 37,
40(a), 43.**

**Review for Chapter 6 (pages 324 – 326): # 1, 4, 5, 7, 8, 17, 21,
31, 35, 59, 61, 66.**

**TEST #3: Sections 5.3, 5.4, 5.5, 5.6, 6.1, 6.2, 6.3, 6.6
(no problems from Sections 5.1, 5.2, 6.7)**

April 23, 2018:

Read Section 9.1

Solve from Section 9.1: #1 – 4, 7, 13, 14, 15.

April 25, 2018:

Read Section 9.2

Solve from Section 9.2: #1, 3, 5, 9, 17, 18, 19, 22.

April 30, 2018:

Read Section 9.4

Solve from Section 9.4: #1, 3, 5, 7, 8, 13, 14.

May 02, 2018:

Read Section 9.5

Solve from Section 9.4: #1, 2, 3, 5, 7, 11, 15 (b, c), 21.

QUIZ #10: Sections 9.1, 9.2, 9.4, 9.5