

## Week 1

APEX Calculus: Section 5.2 #7, 9, 13, 15, 19, 21

APEX Calculus: Section 5.3 #27, 29, 31

Strang: Section 5.1 #9, 11, 13, 15

Active Calculus: Section 4.1 #1, 2, 3

Active Calculus: Section 4.2 #2, 3

Active Calculus: Section 4.3 #1

MOOCulus: Section 12.1 #2, 4, 7, 8

MOOCulus: Section 12.2 #3, 4, 5, 7

## Week 2

APEX Calculus: Section 5.1 #11, 13, 17, 19, 23, 25, 27, 31, 37

APEX Calculus: Section 5.4 #9, 11, 15, 19, 27, 29, 41, 43, 45, 47, 53, 55

Strang: Section 5.2 #5, 7, 13, 19, 21, 25, 29, 31, 33 (in #25,  $f(x) = \int_0^x v_1(t) dt$  and  $f(x) = \int_0^x v_2(t) dt$ )

Active Calculus: Section 4.1 #4

Active Calculus: Section 4.2 #4

Active Calculus: Section 4.3 #3

Active Calculus: Section 4.4 #1, 2, 4

Active Calculus: Section 5.1 #1, 2, 3

Active Calculus: Section 5.2 #1, 2

MOOCulus: Section 12.1 #10, 11, 12

MOOCulus: Section 13.1 #11, 12, 13, 14, 15, 16

## Week 3

APEX Calculus: Section 5.4 #49, 51

APEX Calculus: Section 6.1 #3, 7, 9, 11, 15, 17, 23, 25, 31, 35, 39, 41, 45, 49

APEX Calculus: Section 7.1 #5, 9, 11, 13, 19, 21

Strang: Section 5.4 #5, 7, 13, 17

Strang: Section 5.5 #11, 13, 17

Strang: Section 8.1 #1, 7, 9, 11

Active Calculus: Section 5.3 #1, 2, 3, 4

Active Calculus: Section 6.1 #1, 2

MOOCulus: Section 13.2 #1, 3, 7, 8, 12

MOOCulus: Section 14.1 #1, 3, 4, 5, 7, 8, 9, 15, 16, 17

## Week 4

APEX Calculus: Section 6.2 #5, 9, 15, 17, 19, 21, 25, 31, 37, 39, 41, 45

APEX Calculus: Section 7.2 #5, 7, 11, 13

Strang: Section 7.1 #1, 3, 5, 7, 15, 19, 25, 29, 31, 33

Strang: Section 8.1 #21, 23, 25, 43, 45

Active Calculus: Section 5.4 #1, 2, 3

Active Calculus: Section 6.2 #2, 3(a,b,c)

MOOCulus: Section 14.3 #1, 2, 3, 7, 8, 10, 12, 13

MOOCulus: Section 15.1 #1, 2, 3, 4

## Week 5

APEX Calculus: Section 6.3 #5, 7, 17, 19, 21, 23, 27, 29, 33

APEX Calculus: Section 6.4 #5, 7, 9, 11, 15, 17, 23, 29, 31

Strang: Section 7.2 #1, 5, 7, 13, 15, 41, 43, 45, 47, 49

Strang: Section 7.3 #1, 7, 9, 13, 15, 21, 23, 43, 45, 47, 57

MOOCulus: Section 14.2 #1, 2, 4, 6, 8, 10

## Week 6

APEX Calculus: Section 5.5 #5, 7, 9, 11, 13, 19, 21, 23, 25

APEX Calculus: Section 6.5 #7, 9, 13, 15, 19, 27, 29

Strang: Section 5.8 #5, 13, 17

Strang: Section 7.4 #1, 3, 5, 7, 9, 15, 19, 21, 25, 27

Active Calculus: Activity 5.13 (p. 314) (practice deriving the expressions on the right yourself)

Active Calculus: Section 5.5 #1 (without using a computer to help)

Active Calculus: Section 5.6 #1, 2, 3

## Week 7

APEX Calculus: Section 6.8 #5, 7, 9, 11, 13, 19, 21, 23, 27, 31, 35, 41

APEX Calculus: Section 7.5 #5, 13, 15, 19, 23, 25

Strang: Section 7.5 #3, 5, 7, 9, 13, 17, 19, 21, 25

Strang: Section 8.6 #1, 7, 9, 13

Active Calculus: Activity 6.10 (p. 370)

Active Calculus: Section 6.4 #1(a,b), 2(a)

Active Calculus: Section 6.5 #1, 2

## Week 8

APEX Calculus: Section 5.4 #35, 37

APEX Calculus: Section 8.1 #5, 9, 11, 13, 15, 17, 19, 25, 27

Strang: Section 2.6 #1, 37

Strang: Section 5.6 #1, 3, 5, 17

Strang: Section 6.5 #1, 3, 5, 7, 13, 33, 35

Strang: Section 8.5 #1, 7, 11, 13, 15

Active Calculus: Section 4.3 #1(d), 3(c)

Active Calculus: Section 4.4 #1(b), 2(b), 4

Active Calculus: Section 6.1 #3

Active Calculus: Section 7.4 #2

Active Calculus: Section 8.1 #1

## Week 9

APEX Calculus: Section 8.2 #9, 11, 15, 17, 21, 23, 27, 29, 33, 35, 39, 43

APEX Calculus: Section 8.3 #7, 9, 11

Strang: Section 10.1 #1, 3, 13, 15, 19, 29, 37, 39

Strang: Section 10.2 #1, 11, 29, 35, 37

Active Calculus: Section 8.2 #2, 3

Active Calculus: Section 8.3 #3

Active Calculus: Activities 8.10 (p. 477) and 8.11 (p. 480)

## Week 10

APEX Calculus: Section 8.3 #15, 17, 19, 23, 25, 27, 29, 31, 33, 37, 41

APEX Calculus: Section 8.5 #5(a), 7(a), 11(a), 15(a), 19(a), 21, 23, 25, 27

Strang: Section 10.2 #5, 7, 15, 19

Strang: Section 10.3 #15, 17, 21

Active Calculus: Activity 8.13 (p. 481)

Active Calculus: Section 8.3 #4

Active Calculus: Section 8.4 #3, 4

## Week 11

APEX Calculus: Section 8.4 #5, 7, 11, 13, 15, 23, 27, 29

APEX Calculus: Section 8.5 #5, 9, 11

APEX Calculus: Section 8.6 #9, 11, 17, 23

Strang: Section 10.2 #21, 23

Strang: Section 10.3 #1, 3, 5, 7, 9, 11

Active Calculus: Activities 8.15 (p. 483) and 8.21 (p. 498)

Active Calculus: Section 8.3 #1

Active Calculus: Section 8.4 #1

Active Calculus: Section 8.6 #3

Active Calculus: Activities 8.28 and 8.29 (p. 525)

## Week 12

APEX Calculus: Section 8.6 #25, 27, 29

APEX Calculus: Section 8.8 #3, 5, 7, 11, 25, 27, 31

Strang: Section 10.1 #15, 19, 23, 33

Strang: Section 10.4 #5, 7, 21, 23, 25, 39, 31, 37

Strang: Section 10.5 #1, 3, 5, 7, 9, 11, 13

Active Calculus: Section 8.5 #1, 2, 3, 4

Active Calculus: Section 8.6 #1, 2

Active Calculus: Activities 8.30 (p. 526) and 8.31 (p. 529)