

Math 375 Tentative Homework Assignments, Spring 2026

HW 1, Due Friday, January 30

Early Homework Part 1, pages 1-8 only

HW 2, Due Friday, February 6

Early homework Part 1, page 9

Early homework Part 2, pages 1-4

HW 3, Due Wednesday, February 18

Early homework Part 2, page 5

Section 2.2, Homework, #6–25 odd, 26–36

Section 2.3, Homework, #67–72, 81–95 odd

Section 2.4, Homework, #35–43, 46–51, 62–65

HW 4, Due Friday, February 27

Section 1.2, HW #45–50, 52, 55, 56, 58, 59, 81–88, 98–101

Section 1.3, HW #16–19, 24–27

Section 4.1, Reading Questions #1-9, Homework #9, 10, 16, 17, 26–31, 50–55, 62,

Section 4.2, Homework #4–9, 15–22, 35, 36, 42, 43

Section 4.3, Homework #2, 3, 6–17, 34–37, 42–51, 56–58

Section 4.4, Homework #34–44, 57

HW 5, Due Friday, March 6

Section 7.2, HW #16, 17, 36–57, 65–70

Section 7.4, HW #8, 9, 14, 15, 35–38, 42–52 even, 68–71

Section 7.3, HW #20–40 all (must-have problems), 53–58, 77, 78, 83, 84

Section 2.5, HW #15–18, 36–39, 42–55, 66–77

HW 6, Due Friday, March 13

Section 8.1, #19, 21 (first one only), 22 (first one only)

Section 8.2, #14, 20–27, 30–45, 51, 52

Section 8.3, #21a, 22a, 25ab, 26ab, 29–32 parts ab only, 35–38, 49–54

Section 8.4, #17–20, 26, 27

Section 8.5, #9–13

Graph:

a) $y = \tan(x)$

b) $y = \cot(x)$

c) $y = \sec(x)$

d) $y = \csc(x)$

e) $y = 3 \cdot \tan(x)$

f) $y = \tan(2x)$

g) $y = \cot\left(\frac{x}{2}\right)$

h) $y = \frac{1}{3} \cdot \sec(x)$

i) $y = \csc(4x)$

Section 2.7, #35, 37, 40, 42, 44, 45, 52, 54, 58

Section 10.1, #18–40 (evens), 57, 58, 64, 67

Graph:

j) $y = \arcsin(x)$

k) $y = \arccos(x)$

l) $y = \arctan(x)$

HW 7, Due Friday, March 27

Section 9.1, #5–40 (by 5s!!!)

Section 9.2, #12, 13, 17, 26, 35, 62

Section 9.3, #32, 36, 41 (use a calculator for the arithmetic)

Section 9.4, #23, 27

Section 9.5, #1–3, 7–9, 16 (just one), 17 (just one)

HW 8, Due Friday, April 3

Section 10.3, #1, 2, 8, 9, 10, 16–18, 24, 25, 35, 36, 38, 39, 58–62

Section 10.4, #5, 6, 14, 15, 21, 22, 71, 72

Section 11.1, #1, 2, 4, 5, 6–13, 16–19, 25–28

Section 11.2, #2–5, 7, 8–21, 36–43

HW 9, Due Friday, April 10

Section 11.4, #29, 30, 33, 34, 41–48, 57, 58

Section 11.5, #14, 15, 32–35, 52–55, 60, 61

Section 5.1, #31–49 (odd)

Section 12.1, #8–23, 28–35, 44–51, 71–76

Section 12.2, #5, 7, 11, 12, 17a, 19ab (use a GC if you have one)

Section 12.4, #5–8, 13–16, 25, 26, 33, 35

HW 10, Due Friday, April 17

Section 5.3, #32–45

Section 5.4, #21–37 odd, 56–65

Section 5.5, #27–49 odd

Section 5.6, #23–53 odd, 60–64

HW 11, Due Friday, April 24

Section 5.7, #50–59, 81–85 No calculator

Section 13.1, #28, 29, 41, 42, 52, 53

Section 13.2, #23–28

Section 13.3, #16–68

Section 13.4, #36–40, 42, 44, 47

Section 13.5, #14–28

Section 13.6, #21–27, 41–45, 78–80

HW 12, Due Friday, May 1

Sec. 13.7, #22, 33, 38–40, 43, 44–45 (Write the model, assume initial value is 100), 46, 47, 63

Section 16.1, #21–49 odds only, use any method you would like, 71–79 odds only

Section 16.2, #21–31 odd, 62, 64, 68

HW 13, Due Friday, May 8

Section 14.2, #16, 17, 24–28, 51, 52, 53–61 odd, 63–65

Section 14.3, #16–18, 24, 25, 28–31, 42, 43, 45–51 odd, 58, 60

Section 14.4, #16–31, 33, 40–51, 52, 54, 55

HW 14, Due Monday, May 18

Section 15.3 #21, 25, 29, 33, 37, 41, 45, 49, 55–65 (odds only)
more later