

Math 0220—Analytic Geometry and Calculus I
Practice problems. (These problems are not for turning in)

CHAPTER 1

Section Problems

- 1.1 1, 2, 5–8, 11, 14, 17, 19–21, 23, 24, 27–31 odd, 30, 32, 33–43 odd, 42, 45–52, 54, 57, 63, 66, 68.
- 1.2 1–4, 12, 14, 15, 17, 19–21.
- 1.3 1, 2, 4–7, 9–23 odd, 27–40, 41–45 odd, 50–56, 61, 62.
- 1.5 1, 7–15 odd, 14, 16–22, 26.
- 1.6 1–3, 6, 8–10, 15, 17, 19, 21–26, 29–39 odd, 43–51 odd, 54, 57–63 odd, 64–72.

CHAPTER 2

Section Problems

- 2.1 1, 3–5, 8.
- 2.2 1–9, 12–15, 25–33, 40.
- 2.3 1–10, 12, 18, 24, 11–27 odd, 36, 37–45 odd, 48, 49, 52, 53, 59, 60.
- 2.5 1–6, 12, 11–19 odd, 20, 21–27 odd, 31, 32, 35, 38, 41–43, 45, 50.
- 2.6 2–8, 14, 22, 24, 15–35 odd, 47, 48, 52, 58, 59.
- 2.7 1, 5–9, 13, 16, 20, 22, 25–36, 38–40, 42.
- 2.8 2–6, 9–11, 14–16, 21–28, 30, 52.

CHAPTER 3

Section Problems

- 3.1 1(a), 2–34, 45, 46, 51–55, 58, 67–69, 77.
- 3.2 1–32, 35(a), 43–46, 50, 52, 55, 58.
- 3.3 1–19, 21–24, 25(a), 29–34, 39–48.
- 3.4 1–54, 61–64, 67–72, 79.
- 3.5 1–23, 25, 26, 29, 33–36, 39, 45–54, 60, 62.
- 3.6 1–14, 20, 22, 24–30, 33, 38–46, 50, 53.
- 3.7 1–9, 12–15.
- 3.8 1–20.
- 3.9 1–3, 6–12, 14, 20, 28–30, 39, 41.
- 3.10 1–4, 5–6 (do not graph the function), 11–18, 23–28, 33, 34.
- 3.11 1–47 odd.

CHAPTER 4

Section Problems

- 4.1 1–4, 6–9, 11–20, 24, 28, 31–44, 48–62 even, 68(b), 69, 74, 78.
- 4.2 1, 2, 4–8, 11, 12, 14, 18, 22–25, 28, 34–36.
- 4.3 1–20, 32–50 even, 80, 81.
- 4.4 1–12, 14–38 even, 39–51, 52–64 even, 71.
- 4.5 1–14, 23–36, 41–52, 58, 60–66.
- 4.7 1–6, 10–19, 29, 31–34, 64, 66.
- 4.9 1–46, 51, 57, 60, 62, 63, 67, 73.

CHAPTER 5

Section Problems

- 5.1 2–4, 11–13, 17–19, 22, 23(a), 26.
- 5.2 1–3, 8, 11, 12, 17–24, 33–41, 44, 48–56 even, 69.
- 5.3 1–42, 53–56, 58, 65.
- 5.4 1, 2, 5–18, 22–44, 48, 51, 58, 60.
- 5.5 1–46, 52–70 even, 57, 59, 67, 69, 73, 74, 82.

CHAPTER 6

Section Problems

- 6.1 1–28, 31, 48.
- 6.2 1–18, 20, 23, 26, 29, 31, 32, 34.
- 6.3 1–4, 9–12, 15, 18, 20, 22, 23, 43.
- 6.4 1–4, 8–10, 19, 21, 22, 26, 27.
- 6.5 1–10, 17, 18, 23.