College Algebra Homework — Fall 2010

efou = every fourth

Section	Assignment
0.2	1–69odd, 71–80
0.3	1–7odd, 9–21efou, 25–63odd, 70, 71, 75–80
additional:	Use the formula for perfect cubes to write in standard form a) $(x-5)^3$ b) $(3y+4)^3$ c) $(7u-2v)^3$
0.4	1–5odd, 11, 13–83odd, 99, 100
0.5	1–89odd, 95, 96, 99, 100
0.6	1–63odd, 73–80
0.7	1–11odd, 13–25efou, 29–59odd, 65–75odd, 79–84
1.1	1–33efou, 37, 43, 47, 49–65efou, 71, 73, 79–82
1.2	1–13odd, 19-49odd
1.3	1, 5, 11, 13, 17, 23-49odd, 57–71odd, 75–93odd, 97–113odd, 115–118
1.4	1–21odd, 25, 27, 31–49odd, 57–65odd, 83–86
1.5	1–15odd, 25–31odd, 33–49efou, 51–55odd, 59–95odd, 99, 105–108
1.7	1–17odd, 29–53odd, 63–67odd, 69–71, 73–76
2.1	1–6, 7, 9, 13–29efou, 33, 37, 39, 45–50, 53
2.2	1–13odd, 19, 23–31odd, 79
additional:	Use calculator to graph and find intercepts for: a) $y = x^2 + \sqrt{5}x - 7$ b) $y = -3x^2 + 5x - 13$ c) $y = -x^3 + 7x^2 - 3x - 10$ d) $y = x^4 - 4x^3 - 5x^2 + 3x + 3$
2.3	1–59odd, 61–85efou, 87-95odd, 101–105odd, 113–122
2.4	1–41efou, 47, 49, 61–70
3.1	19–23odd, 27–39efou, 43-55efou, 44–56efou, 57, 60, 61, 64, 65–99odd, 101, 103, 107, 115–120
3.2	1–15odd, 23, 27–35odd (also find local max/min), 39, 43, 45, 49, 57–65odd, 77, 81–85odd, 95–98
3.3	1–18, 25–31odd, 33–39odd, 41, 46, 49–73odd, 85, 86, 89, 90
3.4	1–19odd, 21–29odd, 39–43odd, 51–65odd, 69–75odd, 79, 81, 82
3.5	11–15odd, 17–23odd (only graphically), 27, 33, 35–41odd, 45–59odd, 65, 69, 71–80
3.6	61a, 63a, 65

Section	Assignment
4.1	1–8, 9–21efou, 23–29odd, 33–39odd, 49–53odd, 61, 63, 67, 69, 70, 75–82
4.2	1–9odd, 11–18, 19–25odd, 27–33odd, 39–51efou, 53–69efou, 73–76, 83–85, 87–92
4.6	1–19odd, 27–32, 35–47efou, 46, 55, 59–61, 63–69odd, 71–73, 76, 77
5.1	1–25odd, 27–32, 33–45efou, 57–61odd, 65–72
5.2	1–63odd, 65–70, 71–77odd, 81, 87, 89, 97, 98, 101–108
5.3	1–53odd, 59–66
5.4	1–35odd, 39, 43, 45–75odd, 77, 79, 81, 85, 86, 91–98
5.5	7–23odd, 43