Assignment 3 – Parts 1 & 2 – Math 242

These exercises are taken from the textbook (Hass, Weir, and Thomas’ University calculus alternate edition).

Section 7.3: 64, 68, 80, 82, 98, 100

Section 7.4: 4 and 2, 6, 10, 12, 24, 30, 34, 42, 44, 50, 52, 56, 58

(1) Determine the following values.

   (a) \text{arcsin}(\sin(2\pi))

   (b) \text{arcsin}(\sin(-3\pi/4))

   (c) \text{arcsin}(\sin(\pi/7))

   (d) \text{arcsin}(\sin(5\pi/6))

   (e) \text{arcsin}(\sin(5\pi/7))

   (f) \sin(\text{arcsin}(1/2))

   (g) \sin(\text{arcsin}(1/10))