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) $\arcsin(\sin(2\pi))$

(b) $\arcsin(\sin(-3\pi/4))$

(c) $\arcsin(\sin(\pi/7))$

(d) $\arcsin(\sin(5\pi/6))$

(e) $\arcsin(\sin(5\pi/7))$

(f) $\sin(\arcsin(1/2))$

(g) $\sin(\arcsin(1/10))$