Assignment 7 – Part 1 – Math 243

Textbook exercises:[1]

Section 10.1: $2, 4, 6, 8, 10, 12$

Other exercises:

(1) Show that the points of the graph of $r = \sin(\theta)$ lie on a circle of radius $1/2$ centered at the point $(0, 1/2)$.

(2) Plot the set of points whose polar coordinates (r, θ) satisfy $2 \leq r \leq 3$ and $\pi/4 \leq \theta \leq 3\pi/4$.

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[1]From Hass, Weir, and Thomas' *University calculus: alternate edition*