Assignment 5 – All 2 parts – Math 243

Due: Wednesday, Feb. 15, 2017, at the beginning of class

Textbook exercises:[1]

Section 11.6: $2, 4, 6, 8, 10, 12$

Section 3.9: $22, 24, 26, 28$

Other exercises:

(1) Find a parametrization for the curve that is the graph of the function $y = x^2 - 2x + 1$.

(2) Find a parametrization for the curve that is the part of the graph of the function $y = x^2 - 2x + 1$ between the lines $x = -2$ and $x = 2$.

(3) Find a parametrization for the line segment between the points $(2, 3)$ and $(5, 9)$.

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