Assignment 9 – Only 1 part – Math 243

Due: Wednesday, Apr. 5, 2017, at the beginning of class

<u>Textbook exercises:</u>[1]

Section 12.3: $2, 4, 12, 14,$

Section 12.4: $2, 10, 12, 14$

<u>Other exercises:</u>

(1) Reparametrize the following curves with respect to arc length.

    (a) $\mathbf{r}(t) = (5 - t, -1 + 2t, 7t)$

    (b) $\mathbf{r}(t) = (10\cos(t), 10\sin(t), 5)$

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