Assignment 5 – All 2 parts – Math 242

Due in the discussion section: Thursday, Feb. 19, 2015

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

Section 8.1: $2, 4, 8, 12, 16, 22, 24, 28$ **and** $18, 26$

Section 8.2: $2, 6, 8, 14, 24, 30, 32$

(1) Evaluate $\int 2x^3\sqrt{x^2+3}\,dx$.

and

(2) Evaluate $\int \tan^3(x)dx$.