

James Mayer

HT# 13

Mathematical
Section B

$$y = x^3$$

$$dy = 3x^2 dx \rightarrow -1 \leq x \leq 2$$

$$\int xy dx + x^2 (3x dx)$$

$$\int x^4 dx + 3x^4 dx$$

$$\int_{-1}^2 4x^4 dx = 26.4$$