BECAF Huson 12.1 18 math

SOLVBILS

P296 # 4

056812

$$= 2\pi \left( \frac{4}{3} t^3 + \frac{4}{2} t^2 + t + c \right)$$

at t=0, V=TT

$$V(3) = 2\pi \left( \frac{367}{3(3)^3 + 2(3)^2 + (3) + \frac{1}{2}} \right)$$

$$= 2\pi \left( 36 + 18 + 3 + \frac{1}{2} \right)$$

$$V(\frac{2}{5}) = 115 \pi$$