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18.01 Single Variable Calculus Fall 2006

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Practice Question For Exam 4

6) $A = \int 2\pi y \, ds = \int 2\pi \sin^3 t \left(\left(\frac{dx}{dt} \right)^2 + \left(\frac{dy}{dt} \right)^2 \right)^{\frac{1}{2}} dt$ = 2 finist. 3 cost mutdt = 6 m j mintt cost dt moved out of integral