SI Session: July $16^{\text {th }}, 2008$
Mondays - Thursdays
12:35 PM - 2:05 PM
Room 1229

Prof. Stockton : Calculus II Summer II 2008
SI Leader : Neil Jody
[1] Write a definite integral that represents the Area between the given curves.
(a) $f(x)=\sqrt[3]{x-1}, g(x)=x-1$

(b) $x=\log _{3} y, x=\frac{y-1}{2}$

[2] Write a definite integral that represents the volume of the solid that results when the region enclosed by the given curves is revolved about the $x$-axis.
$y=\sqrt{25-x^{2}}, y=3$

[3] Write a definite integral that represents the volume of the solid that results when the region enclosed by the given curves is revolved about the $y$-axis.
$x=y^{2}, x=y+2$

[4] Write a definite integral that represents the volume of the solid that results when the region enclosed by $y=\sqrt{x}, y=0, x=9$ is revolved about the line $x=9$.

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[5] Write a definite integral that represents the volume of the solid that results when the region enclosed by $x=y^{2}$ and $x=y$ is revolved about the line $y=-1$.


