Solid Functions:

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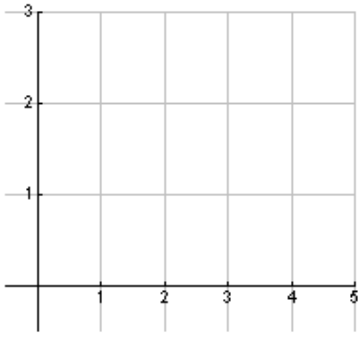
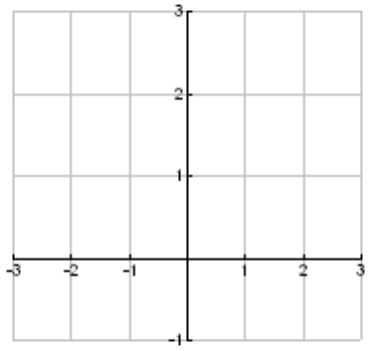
Example 1

Find the volume of the solid bounded by $f(x)=\sqrt{x}$, on the interval $1\le x\le$ and rotated about the x-axis.



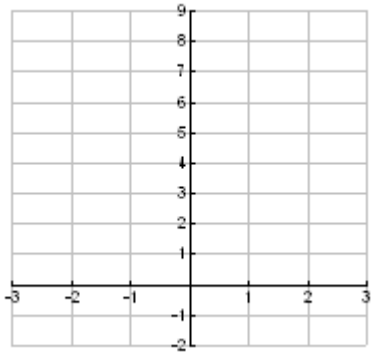
Example 2

Find the volume of the solid bounded by $f(x)=2-x^2$ and the line $y=1$. T rotated about the line $y=1$.



Example 3

Find the volume of the solid that is bounded by $f(x)=x^3$, $y=8$, and x=0 t rotated about the y-axis.



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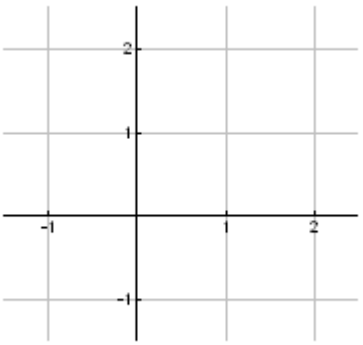
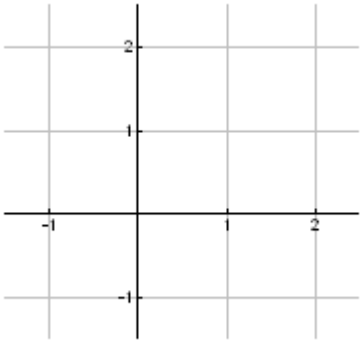
Example 4

Find the volume of the object formed by $f(x)=x^2$ and $y=x$ that is rota
the line $y=2$.



Example 5

Find the volume of the object formed by $f(x)=x^2$ and $y=x$ that is rotate
the line $x=2$.



Example 6

Find the volume of the object formed by $f(x)=e^{-2x}$, $g(x)=x$ and $x=1$ tha
rotated about the line $y=3$.