Volume of solid of revolution:

region bounded by ...	about x-axis	about y-axis
$y = f(x), y = 0, x = 0, x = A$	$\pi \int_0^A (f(x))^2 dx$	$2\pi \int_0^A xf(x)dx$
$x = g(y), x = 0, y = 0, y = B$	$2\pi \int_0^B xg(y)dy$	$\pi \int_0^B (g(y))^2 dy$

region below $y = x^2$ from $(0,0)$ to $(A, B) = (A, A^2) = (\sqrt{B}, B)$

about y-axis: $2\pi \int_0^A x(x^2)dx = \frac{2\pi}{4}A^4$

about x-axis: $\pi \int_0^A (x^2)^2 dx = \frac{\pi}{5}A^5$;

region to left of $y = x^2$ from $(0,0)$ to (A, B)

about y-axis: $\pi \int_0^B (\sqrt{y})^2 dy = \frac{\pi}{2}B^2$

about x-axis: $2\pi \int_0^B y(\sqrt{y})dy = 2\frac{\pi}{5/2}B^{5/2}$

Problem 26: want region to left of $y = x^2$ (bounded by $x = 0$ and $y = 4$), rotated about y-axis:
Using the 1st of the above formulas (with $A = 2, B = 4$), we get Volume $= \frac{2\pi}{4}A^4 \overset{A=2}{=} 8\pi$.
Alternatively, can use 3rd formula (which gives $\frac{\pi}{2}B^2 \overset{B=4}{=} 8\pi$) and subtract this from the volume of the cylinder generated by rotating the rectangle with corner at $(2, 4)$ which is $\pi BA^2 = 16\pi$