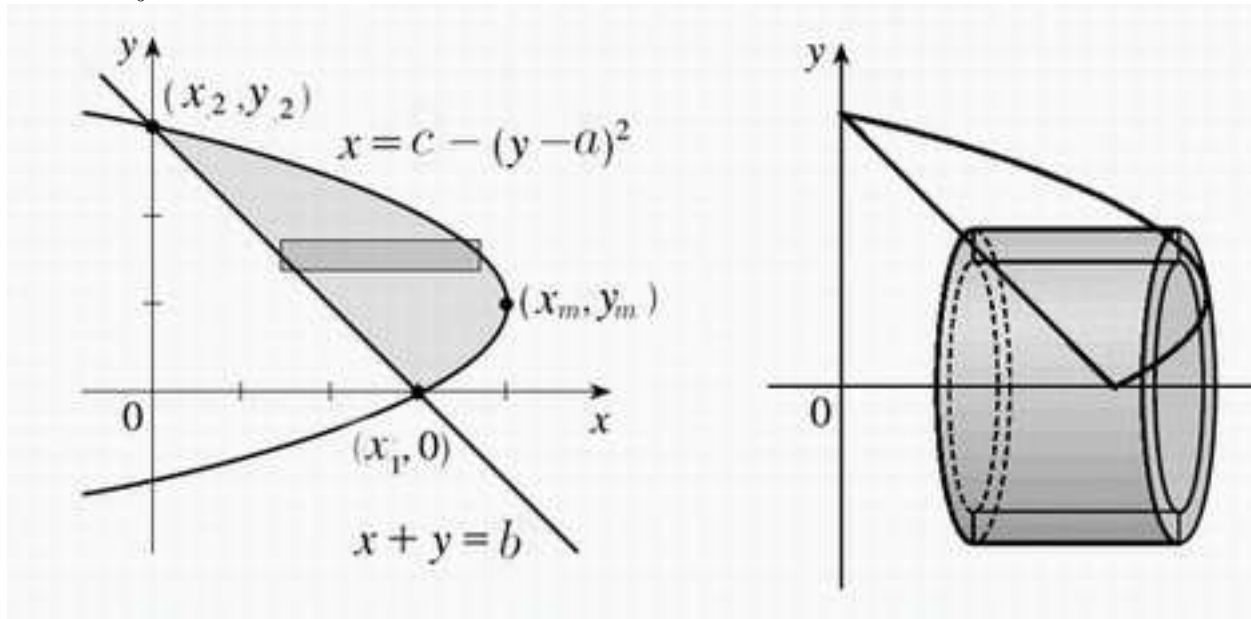


$$\begin{aligned}
 V &= \int_0^5 2\pi y [9 - (y - 2)^2 - (5 - y)] dy \\
 &= 2\pi \int_0^5 y(-y^2 + 5y) dy \\
 &= 2\pi \int_0^5 (-y^3 + 5y^2) dy = 2\pi \left[ -\frac{1}{4}y^4 + \frac{5}{3}y^3 \right]_0^5 \\
 &= 2\pi \left( -\frac{625}{4} + \frac{625}{3} \right) = 2\pi \left( \frac{625}{12} \right) \\
 &= \frac{625}{6}\pi
 \end{aligned}$$



$$a = 2, b = 5, c = 9$$