iterated integrals

$$\int\limits_{dy}^{0|1}\int\limits_{dx}^{0|y} y^4\, e^{y^2 x}$$

$$\int\limits_{dx}^{-1|1}\int\limits_{dy}^{-x|x} x^3 y + y^3 x$$

$$\int\limits_{dx}^{\sqrt{\pi}|\sqrt{2\pi}}\int\limits_{dy}^{0|x} x^2\, {}^{xy}\mathfrak{s}$$

solid volume under graph ${}^{x:y}\mathcal{N} = {}^{\sqrt{x}}\mathfrak{e}/\sqrt{xy}$ on $1|4 \times 1|9$

co $(0{:}0)\,(0{:}1)\,(1{:}1)$

$$\int\limits_{dxdy} \qquad {}^{x+y}\mathfrak{e} \text{ triangle } \implies \text{ convert to iterated integral}$$