"1 69 1" Changing older of integration $\int_{0}^{1} \int_{0}^{\infty} \int_{0}^{9} f(x, 9, z) dz dy dx$ This is a function of x and y. Call it g (xy).)= { g(x,y)dydx | Reverse as usual = \(\int \g(x,y)\dxdy \\ replace $g = \int_{0}^{1} \left[\int_{V_{0}}^{y} \int_{0}^{y} f(x, y, z) dz dx \right] dy = \left(h(y) dy = (**) \right)$ This is a Senetion of y. Call it $h(y) = \int_{a}^{b} \int_{a}^{b} f(x,y,z) dz dx$ fixed y & [0,1] our domain is: ARECTANOLE So reverse for free $h(g) = \int_{0}^{g} \int_{V_{7}}^{g} f(x, y, z) dx dz$ So (**) = () (f(19,2) dxd2dy (1