Beronyeanie Agenesa 186-21 1. a) VX VY Ds(x,y) = (Ezy 1 D3x) V & y 3 Regnarume, up L = (Ezy 1 D3x) V dy }  $f(x,y,z) = dz, z \in L$ RERAMINE, My , ZEL E 4PM: ZEL = ZE (Fzy AD3x) Vdy3 = ZE (Fzy & D3x) VZ=ye ( ) ( ≥ ∈ Ezy & ≥ ∈ D3x) V ≥ = y € ( ∃ K ∃ a ( Pzy (a)) = 2 Ka Kpayi K) & &  $\exists K (P_{3x} (2) \downarrow na \text{ rpage } K)) V \neq = g$   $\forall P \Pi$   $\forall P \Pi$ Connie, " Z E L " E 4PM, f (x, y, Z) - 4P9 Sa &-m-n Th 3 S(x,y)-P9: f(x, y, 2) = 4s(x,y) (2) Vx,y, ZE N Sagricustile X, y ( li aprymenny (x, y)) 2 = 4 (x, y, 2) 1 => 4 six, y, V => 2 ( Dsix, g) S) YXYY HZ Ds(x,y,z) = Ex V(Dz LEy) Ompunyture eynepernions => omnie ne cingt masor S(x, y, 2) y 2. ,22 € ((D?)" € (P) 7a 36 3 K (P, (a, b) ) na cpeyi K & ((a, b) - 22)  $C(x,y) = \int \left[ \frac{(x+y+1)(x+y)}{2} \right] + x$ Connec, 22 € C(Dx) € 4P179