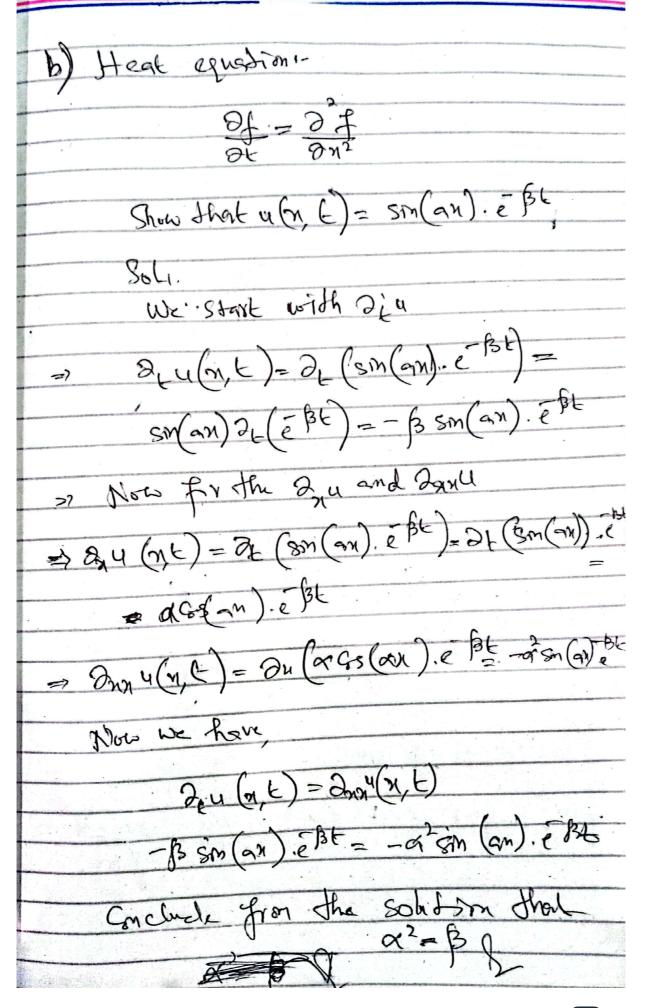
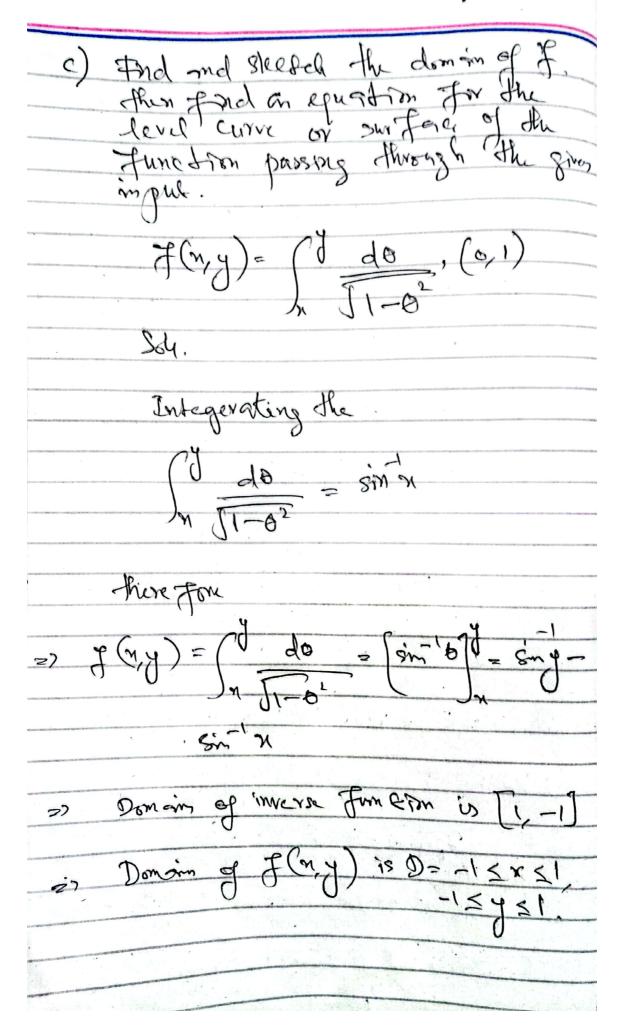
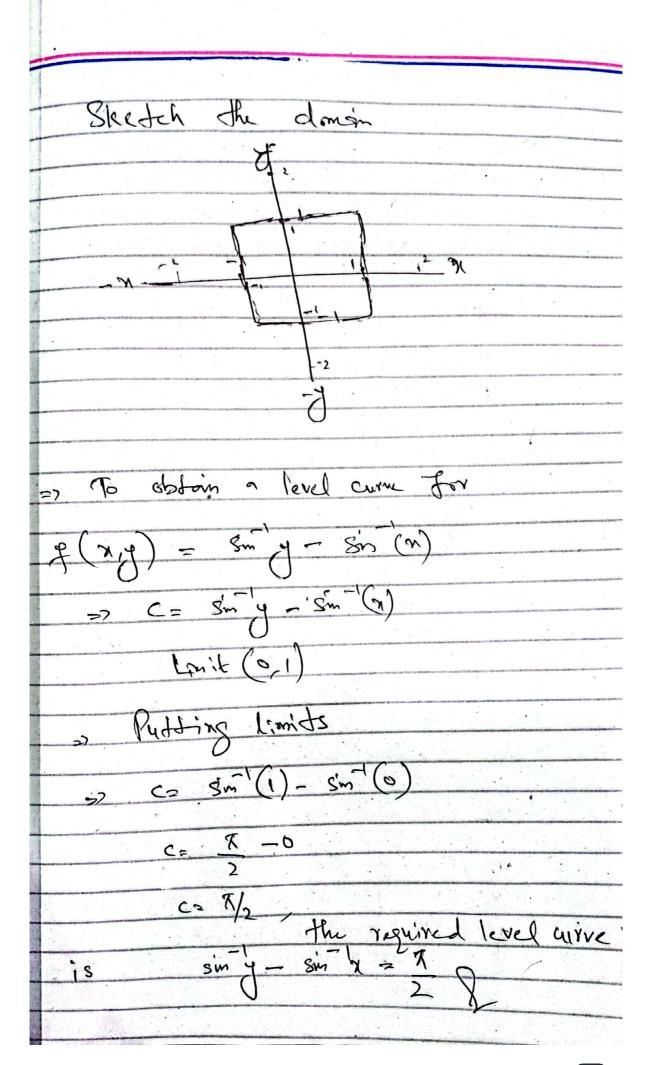
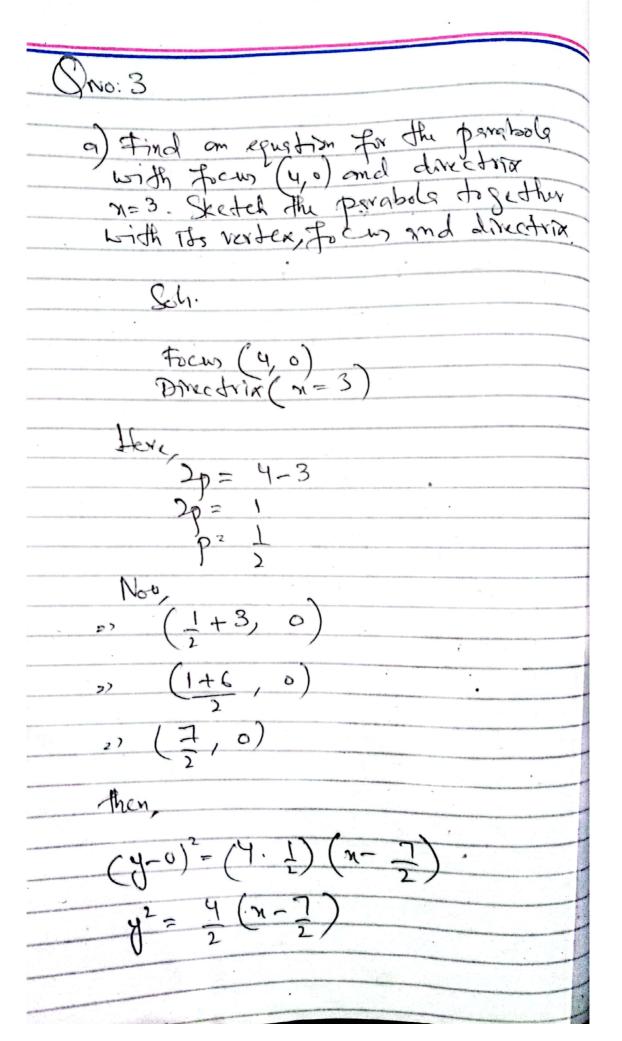
NAME: MADSOOD DHIMED PO: 38186 DEDT: BSCS QUIX: 03 (CN-II)) NO: 1:a) Find the value on/dz at the point (1,-1,-3) if the equation xx+ylnx-x2+4=0 Sol. Exercise of on each side of the implicit Jun Jan 212+ 4 (MM - X 3+4=0 3 (22+ Jlm2-x2+4)= 2 (0) 27 2 (n2)+2 (y (nx) - 2 (n2)+3 (y)=0 => 7(2 (z)+ Z & x + y = (lux) & (lux) & (lux) - N-2x27 +0=0 n+ = 27 + y 27 - 27 29 = 0

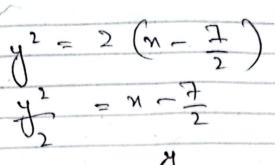
Solve the obtained equation. n+221 + y 2n - 2n 2m = 0 for 2n $\Rightarrow 2\frac{\partial x}{\partial 2} + \frac{y}{x} \frac{\partial y}{\partial 2} - \frac{\partial x}{\partial 2} \frac{\partial y}{\partial 2} = -x$ $\frac{\partial n}{\partial z} \left(n - \frac{1}{2} - 2n \right) = -n$ 2M (XZ+Y-2N2) =-X 2) 2n = -n2 22 x2ty-2n2 Now From limits Apply limit

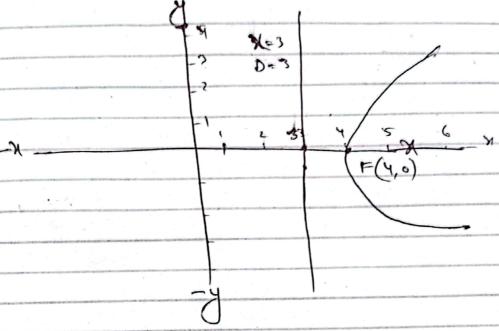












b) The vertices of an ellipse of eccentricity 0.5 fie at the prints (b, ±2), when do the fici lie?

Vertices are $(0, \pm 2) \Rightarrow a=2$ and e=0.5Now,

Fou are (0+c) = (0, +1)

