( Jose 7 janues) U=x2+y2+22 C(-98,-12) M(8,-12,9) Ux zdx; Uyzly; Uz zdz growd U (U', U', U'z) groud 4 (16; -24; 18) 6 sozue M. C 2 V1-9/2 + 8/2 + (-12)2 2 V 8/1 + 64 + 144 2 V 289 = 17  $\frac{\partial}{\partial z} = \frac{\partial}{\partial z} = \left( -\frac{g}{IT}, \frac{g}{IT}, -\frac{IJ}{IT} \right)$