Antonio Osamu Katagiri Tanaka A01212611 Ruiz 03 - 23 Mar 2019 derecho. Mustra los detalles de tu cálculo [a] v = [2g2, 5x, 0] V xv = ( 2 5 k 2 ) = ( 0 ) = curl v 2 2 5 x 0 ) = ( 5-4y / 1 5 x dx = 5 2 y 2 dy = 44 16) v = (x2+y2+z2)-3/2[x,y,z]  $= \begin{pmatrix} 2m \partial y - y m \partial z \\ -zm \partial x + xm \partial z \end{pmatrix} = \begin{pmatrix} -3yzn + 3zyn \\ 3xzn + 3xzn \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \end{pmatrix} = cur(v)$   $y m \partial x - xm \partial y \end{pmatrix} = \begin{pmatrix} -3yzn + 3yzn \\ -3xyn + 3yxn \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$  $f m = (x^2 + y^2 + z^2)^{-3/2} f n = (x^2 + y^2 + z^2)^{-5/2}$