

Podema decir ope: A6 - AB + B6 2) Considere que: Y = xî +yî + zk = xi î; α - a(r) = a(x,y,z) = a'(x,y,z)i; y b= b'(x,y,z)i; D = pr = φ (x,y,z), y= y(x) = ψ (x,y,z) a) \(\P\\) = \P\\ + \P\P \rightar \\ \Demostrar! $\triangle = \left(\frac{9\times 9}{9}, \frac{95}{9}\right)$ la regia de la cadena - 0 4(xi) + (xi) + (xi) 0 4(xi) dxi $\frac{\partial + (xi)}{\partial x^{i}} = \frac{\partial + (x)}{\partial x} + \frac{\partial + (y)}{\partial y} + \frac{\partial + (z)}{\partial z}$ Bossicamente. $\Rightarrow (xi) \forall (xi) + \psi(xi) \forall (xi)$ (DV + 4 DA) VVV

d) V·(Vxa) y Vx(V·a) siendo a un campo vectoriol 0(1)= a(x,4,2)- a'(x,4,2)î; 1) Detinir VXA. Eijkaibj= Cx - (TXA); = (EijkV; Ax + Eijk DxAj)ê; (DXA) = [Eijk VjAk &i] A El dot product.