Quiz Ch.1

1) a) q(B+ c) = aB+ ac

Placen by vector operation multiplication by scalar

q(Pxx+Bxx+Bx2)+((xx+(xx+(xx+(xx))] (aBx) = + (aBx) = + (aBx) = + (a(x) = + (a(x)) = + (a(x

a (B+2) = a B + a (

b) 7(F(x,y)+ 7)(x,y)) \ \ F(xy) + \ \ \ g(x;y)

You can't add a first degree partial to a Ind degree pantial

like integral

J. Conservatio vertor Bild, cort=0 if cort = 0 the intrans is then o keaung it is a close - knop

> XIVCOS(E) re1 42 r sin(E) & (X) x)=1

result) + vsin(t) at

F(1)+ x2+ Y2

= sin(t) + cor(t)

V= 1/21 + 8/8/1

s/n(2T) - cos (201) (2) Sherzine

V.F. / (x) + d/v(y) =

dosel opher, r= 3 @ origm, 0 Let 12 5-1 ( 5, b, 7) (V x v) · da = 0 -) for any obselsuffer cause storks down to appinh corrolling 2 Let f(x) \* 51N = (f(x) - 5(x)) (Jew), Soudx, if a) + (x) = · cos(x) 9 9(x) = 5th (x) Se (costx) - 5h(x) (x) (cos(0) - 5/40) (x) f(x) = cosh(x) 9(x)= s/n/(x) (cosh(x) - sinh(x) Sondr = (cosh(o)-shho) doch
(cosh(x) - sinh(x)) - / (0)/ of two a + ax + ax2 ... 9(x) x b+ bx + bx2 ... a+ax+ax - 6+bx+bx2) Souder= (a+a(a)+a(a)2-b+b

