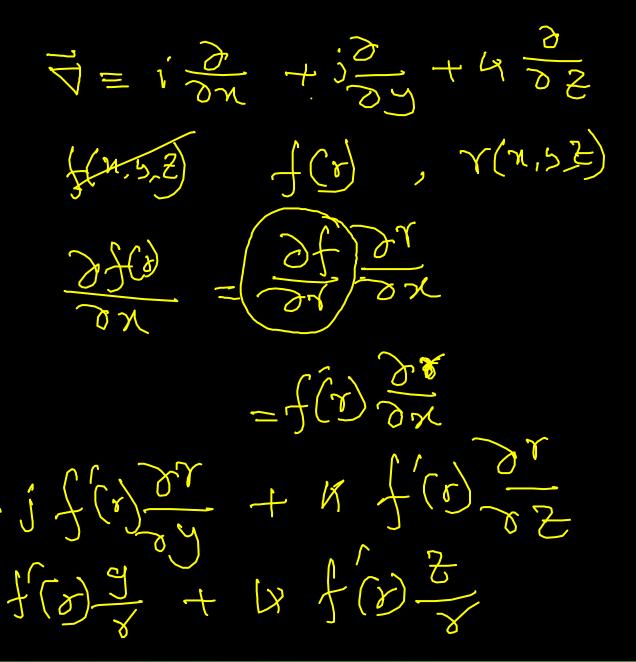
Online class # 05

Date: 11/07/2021

Chapter 04 (Gradient, Divergence, Curl)

Time: 0930 - 1025

Video: https://youtu.be/tyHdhNe5DqY



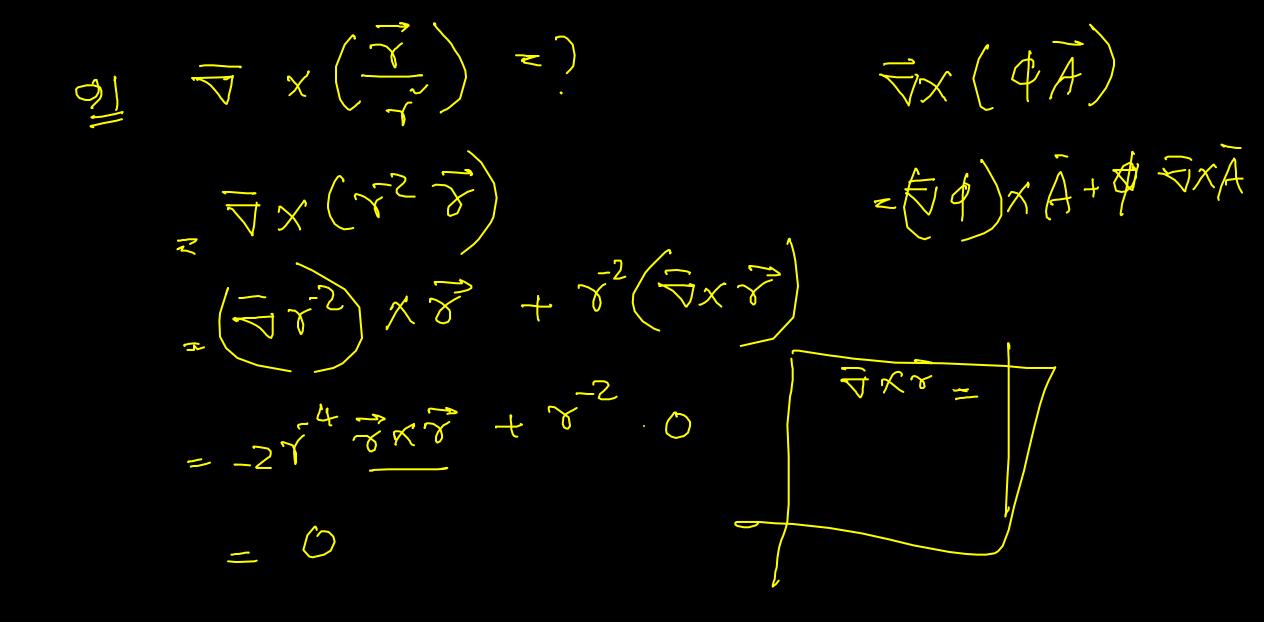
= 3(x) - 1 (in + 1) + 42)
= 3(x) - 1 (in + 1) + 42

$$\nabla (x^n) = n \quad x^{n-2} \quad x$$

$$\nabla (\frac{1}{x^3}) = \nabla (x^{-3})$$

$$= -3x^{-5} \quad x$$

$$= -3x^{-5} \quad x$$





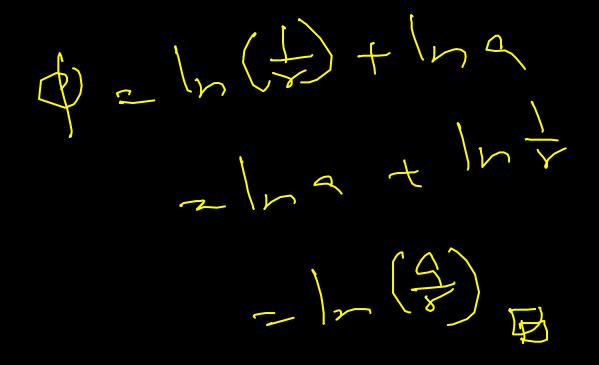
$$E = \frac{7}{5}x - i \frac{x}{(x+5+2)} + i \frac{3}{(x+5+2)} + 4 \frac{2}{(x+5+2)}$$

$$E = -79 = -i \frac{30}{50} - 4 \frac{39}{52}$$

$$E = -79 = -i \frac{30}{50} - 4 \frac{39}{52}$$

GESTETM d (7/+15/12) = Jp znom = In

 $= -\frac{1}{2} \ln(\pi + 6 + 2^{2}) + ($



$$\frac{1}{2} = \frac{1}{2} \sqrt{1} + \frac{1}{2} \sqrt{2} + \frac{1}{2} \sqrt$$