[2.1]
$$u(xy) = 4 \sin x + 3 \cos y + 2 x^4 y^3 + 4$$

Howmur; $\nabla U(0,0)$

Powerus:

$$\frac{1}{24}(40) = \frac{1}{24}(1500) + \frac{1}{24}(150) = \frac{$$

$$\frac{3A}{5A}(0^{1}q) = 3(-21/A^{2} + 51/A^{2})\Big|_{X=0}^{A=0} = 3(-21/40 + 50_{0}0_{5}) = 3(-0+5.0) = 0$$

$$\int = (H'o)$$

Owhen!

$$\Delta N = \begin{pmatrix} 2x' & 9x' \end{pmatrix} = \begin{pmatrix} A' & 0 \end{pmatrix}$$

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