

2.
$$\vec{F} = 3x^2y^2 dx - x^3y^2 dxy$$
 $\vec{\nabla} \times \vec{F} = \begin{bmatrix} \hat{a}_{x} & \hat{a}_{y} & \hat{q}_{z} \\ 3/3x & 3/3y & 3/3z \\ 3/3x^2 - x^3 & 0 \end{bmatrix}$
 $\vec{\nabla} \times \vec{F} = \begin{bmatrix} \hat{a}_{x} & \hat{a}_{y} & \hat{q}_{z} \\ 3/3x^2y^2 - x^3 & 0 \end{bmatrix}$
 $\vec{\nabla} \times \vec{F} = \begin{bmatrix} \hat{a}_{x} & \hat{a}_{y} & \hat{q}_{z} \\ 3/3x^2y^2 - x^3 & 0 \end{bmatrix}$
 $\vec{\nabla} \times \vec{F} = \begin{bmatrix} \hat{a}_{x} & \hat{a}_{y} & \hat{q}_{z} \\ 3/3x^2y^2 - x^3 & 0 \end{bmatrix}$
 $\vec{\nabla} \times \vec{F} = \begin{bmatrix} \hat{a}_{x} & \hat{a}_{y} & \hat{q}_{z} \\ 3/3x^2y^2 - x^3y^2 & 0 \end{bmatrix}$
 $\vec{\nabla} \times \vec{F} = \begin{bmatrix} \hat{a}_{x} & \hat{a}_{y} & \hat{q}_{z} \\ 3/3y^2 - (3x^2y^2 - (3x^2y^$