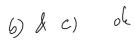
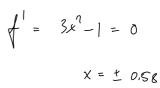


$$(x) = x^{3} - x = x(x^{2} - 1) = x(x - 1)(x + 1)$$

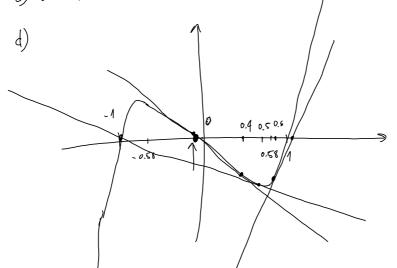
$$(x - 1, 0, 1)$$









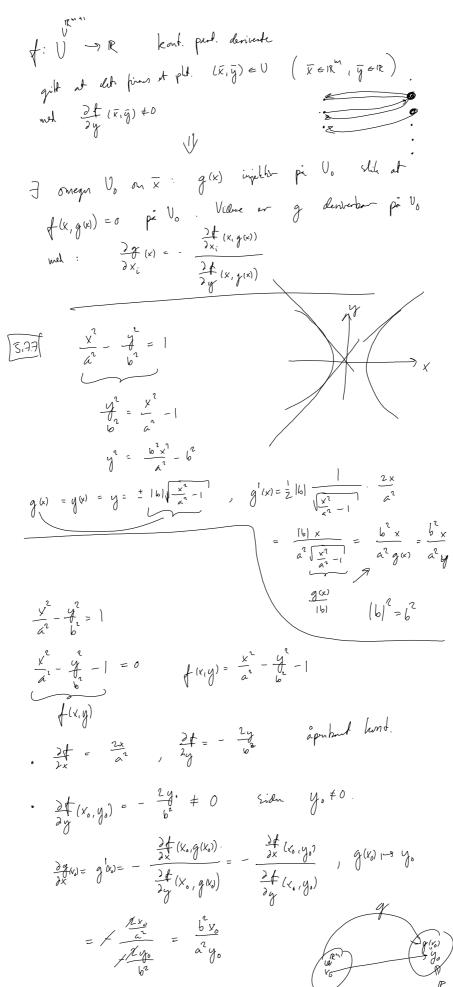


$$F(\delta) = \begin{bmatrix} 0^{2} + 0 + 1 \\ 0 - 0 - 2 \end{bmatrix} = \begin{pmatrix} -1 \\ -2 \end{pmatrix} \qquad 0 \leq$$

$$F'(x,y) = \begin{pmatrix} 2x & 1 \\ 1 & -1 \end{pmatrix} \qquad F'(0,0) = \begin{pmatrix} 0 & 1 \\ 1 & -1 \end{pmatrix}$$

$$F'(x,y) = \begin{pmatrix} 2x & 1 \\ 1 & -1 \end{pmatrix} \qquad Ad \begin{pmatrix} F'(0,0) \neq \delta \\ 1 & -1 \end{pmatrix} = \begin{pmatrix} 0 & 1 \\$$

$$\begin{array}{lll}
\mathcal{E}_{3,3,5} & \mathcal{A} = \begin{pmatrix} \frac{1}{2} & \frac{1}{6} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{6} & \frac{1}{2} \end{pmatrix} \\
\mathcal{A}^{-1} = \begin{pmatrix} \frac{1}{2} & \frac{1}{6} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix} \\
\mathcal{F}_{1}(x,y,z) = \begin{pmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}$$



$$\frac{\int f(x,y(x)) = C}{\partial x} (x,y(x)) \neq 0$$

$$\frac{\int f(x,y(x)) \neq 0}{\partial x} (x,y(x))$$

$$\frac{\partial f}{\partial x} (x,y(x)) = 0$$

$$\frac{\partial f}{\partial x} (x,y(x))$$

$$\frac{\partial f}{\partial y} (x,y(x))$$

$$\frac{\partial f}{\partial y} (x,y(x))$$

$$\frac{\partial f_1}{\partial y} = \frac{\partial f_2}{\partial x} \qquad \frac{\partial f_1}{\partial y} = 2xy$$

$$\frac{\partial f_1}{\partial y} = 2xy$$

$$\frac{\partial f_2}{\partial x} = 2xy$$

$$\mathcal{F} = \nabla \phi$$

$$\int \nabla \phi \cdot \vec{r} = \phi(b) - \phi(a) = \phi(a) - \phi(a) = 0$$

F(t)=(sot, sint) $t \in [0, 2\pi]$