Selwing:
$$f(x) = (x_1 + c_2 x_2 + ... + c_n x_n) = c_1 = c_1 = (x_1 + c_2 x_2 + ... + c_n x_n)$$

Beis:
$$T(c_1 \vec{x}_1 + c_2 \vec{x}_2 + \cdots + c_{n-1} \vec{x}_{n-1}) + T(c_n \vec{x}_n) \stackrel{(ii)}{=}$$

$$\overline{T}(c,\overline{\lambda},+\ldots+c_{n-1}\overline{\lambda}_{n-1})+\overline{T}(c_n\overline{\lambda}_n)\stackrel{(i)}{=}$$

$$= \frac{1}{\sqrt{(c_1 x_1)}} + \frac{1}{\sqrt{(c_1 x_1)}} = \frac{1}{\sqrt{(c_1 x_1)}} + \frac{1}{\sqrt{(c_1 x_1)}} = \frac{1}{\sqrt{(c_1 x_1)}} + \frac{1}{$$

$$\overrightarrow{T}(\overrightarrow{x}) = \overrightarrow{A}\overrightarrow{x} \in \mathbb{R}^{m}$$

$$\frac{1}{T}(\vec{x}) = A\vec{x} \in \mathbb{R}^{m}$$

$$\frac{1}{T}(\vec{x}) = A\vec{x} \in \mathbb{R}^{m}$$

$$\frac{1}{T}(\vec{x}) = \begin{pmatrix} a_{11} & a_{12} & \cdots & a_{1m} \\ \vdots & \vdots & \ddots & \vdots \\ a_{mn} & a_{mn} & \cdots & a_{mn} \end{pmatrix} \begin{pmatrix} \lambda_1 \\ \lambda_2 \\ \vdots \\ \lambda_m \end{pmatrix}$$

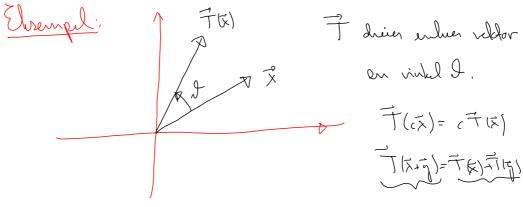
$$(i) \overrightarrow{T}(c\overrightarrow{x}) = A(c\overrightarrow{x}) = CA\overrightarrow{x} = c\overrightarrow{T}(x)$$

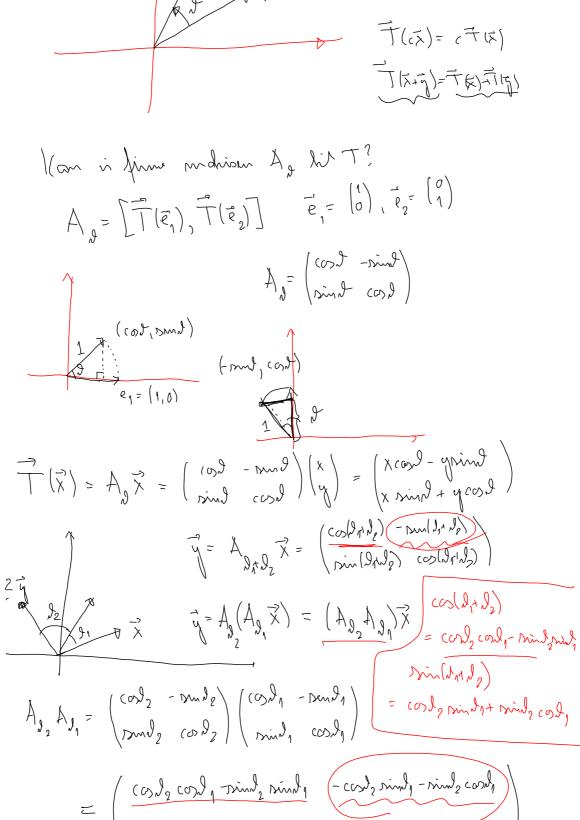
$$(i) \overrightarrow{T}(c\overrightarrow{x}) = A(c\overrightarrow{x}) = CA\overrightarrow{x} = c\overrightarrow{T}(x)$$

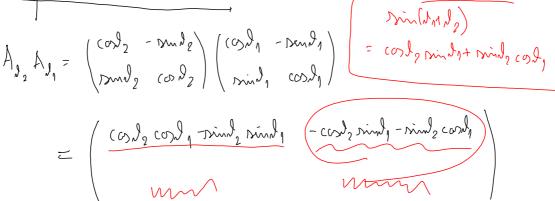
$$(ii) \overrightarrow{T}(\overrightarrow{x} + \overrightarrow{q}) = A(\overrightarrow{x} + \overrightarrow{q}) = A\overrightarrow{x} + A\overrightarrow{q} = \overrightarrow{T}(x) + \overrightarrow{T}(y)$$

$$(iii) \overrightarrow{T}(\overrightarrow{x} + \overrightarrow{q}) = A(\overrightarrow{x} + \overrightarrow{q}) = A\overrightarrow{x} + A\overrightarrow{q} = \overrightarrow{T}(x) + \overrightarrow{T}(y)$$

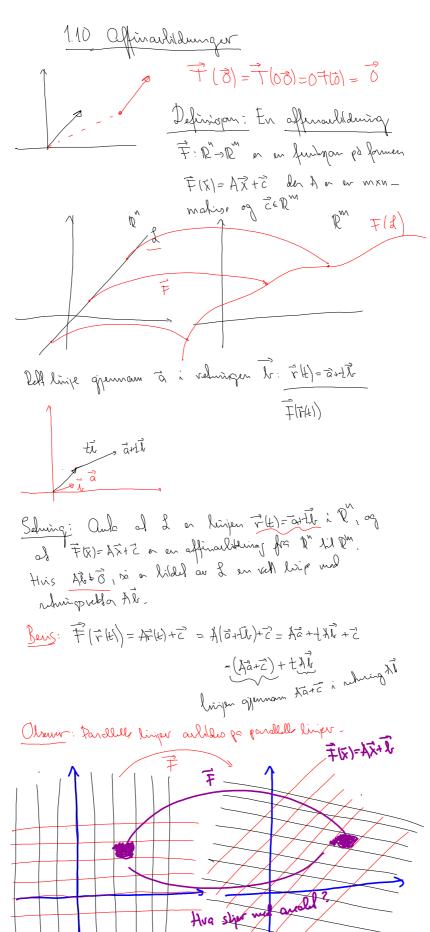
Schwing: His T:
$$\mathbb{R}^{n} - \mathbb{R}^{n}$$
 on an him would during, \mathbb{R}^{n} from the \mathbb{R}^{n} where \mathbb{R}^{n} distributes \mathbb{R}^{n} and \mathbb{R}^{n} from \mathbb{R}^{n} distributes \mathbb{R}^{n} and \mathbb{R}^{n} from \mathbb{R}^{n} fro







4



LIA (gamel areal)