

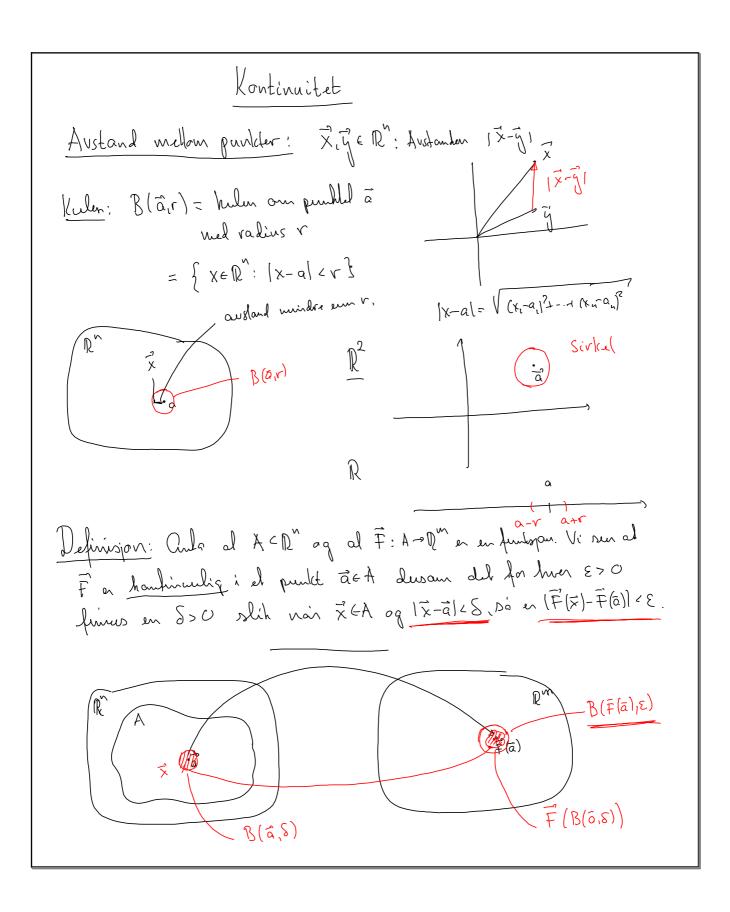
Praktiste alssempler

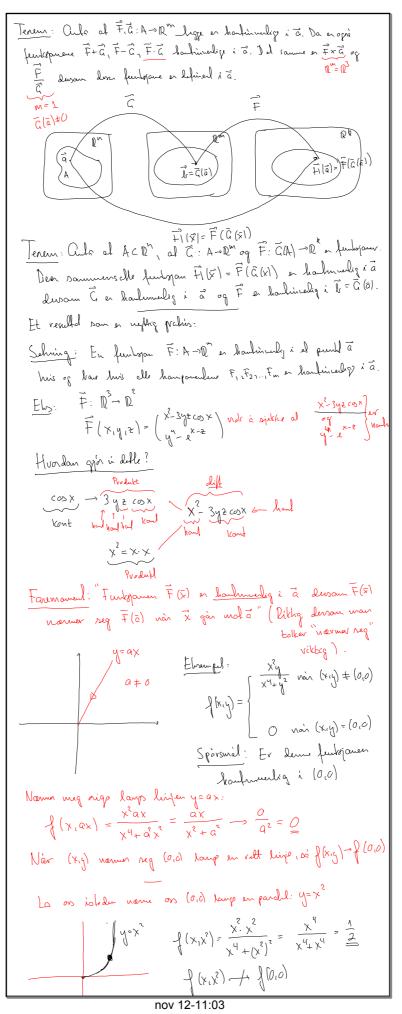
$$T: \mathbb{R}^{9} \to \mathbb{R}$$

$$\overline{V}: \mathbb{R}^{4} \to \mathbb{R}^{3}$$

Matriser: 
$$A = Mxn - matrise$$
:  $\overrightarrow{F}(x) = Ax$   $\overrightarrow{F}: \mathbb{R}^n \rightarrow \mathbb{R}^m$ 

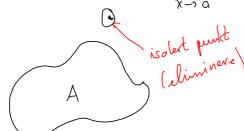
$$\vec{F}(\vec{x}) = \vec{A}\vec{x}$$

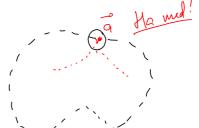




## Crenxerdier:

Hug lely del at  $\lim_{x\to a} \vec{f}(x) = \vec{k}^{2}$ 





Definizion: Onto al A « R". Et punkt à holles el apphopuissopunkt for A dusain entre hule B(ā, r) aun à runchelder vendely mange punktor fra A.

Definisjon: Onta at A en en delmengde au  $\mathbb{R}^n$  og at  $\overline{F}$  en funlisjon  $\overline{F}: A \to \mathbb{R}^m$ . Dersom  $\overline{a}$  en el apptropricip puntle  $f \cap A_1$  så definerer i at  $\overline{F} = \lim_{x \to a} \overline{F}(\overline{x})$  dursom det for entrer  $\varepsilon > 0$  fines en  $\delta > 0$  skih at vai  $\overline{X} \in A$  og  $0 < |\overline{X} - \overline{a}| < \delta_1$  så en  $|\overline{F}(\overline{X}) - \overline{h}| / 2 \varepsilon$ .