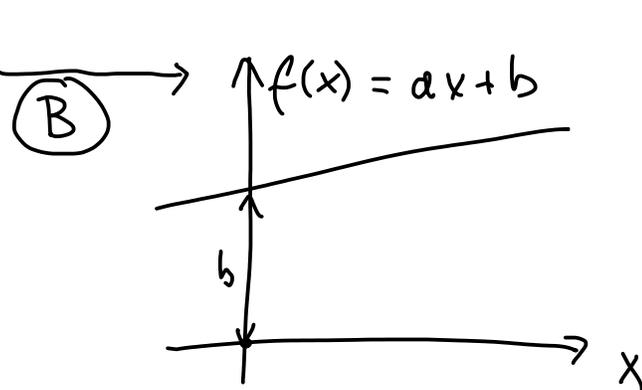
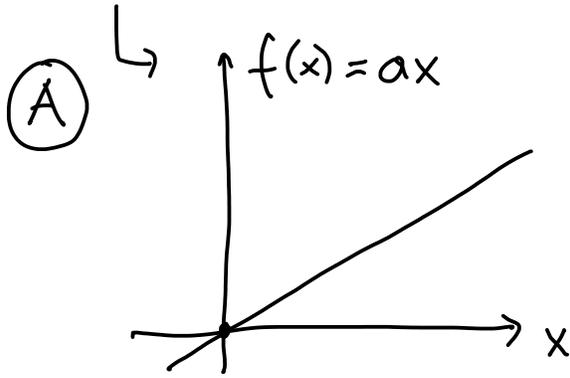


## lineare Funktionen und affin-lineare Funktionen



in zwei Variablen:

$$f(x) = ax + by$$

$$f(x) = ax + by + c$$

lineare Transformationen:

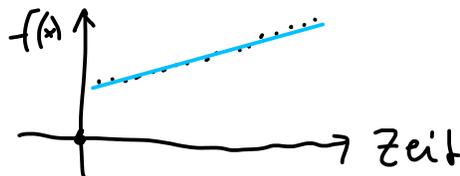
$$x \mapsto Ax$$

affine Transformationen:

$$x \mapsto Ax + b$$

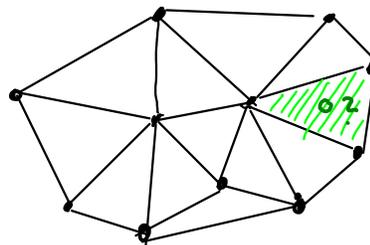
## Beispiele

1) Erkennungsfälle



2) Gasdruck

3) lineare Interpolation



Extrapolation  
o2