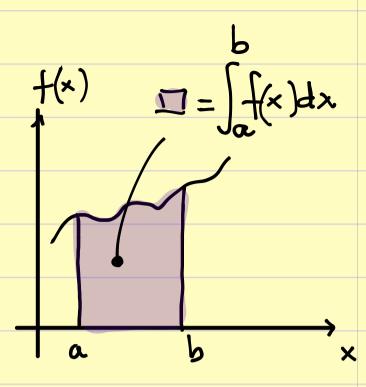
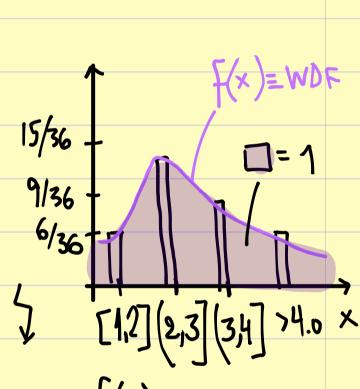
## Wahrscheinhichheitsfhoorie (W. Theorie) W. Funktionen.



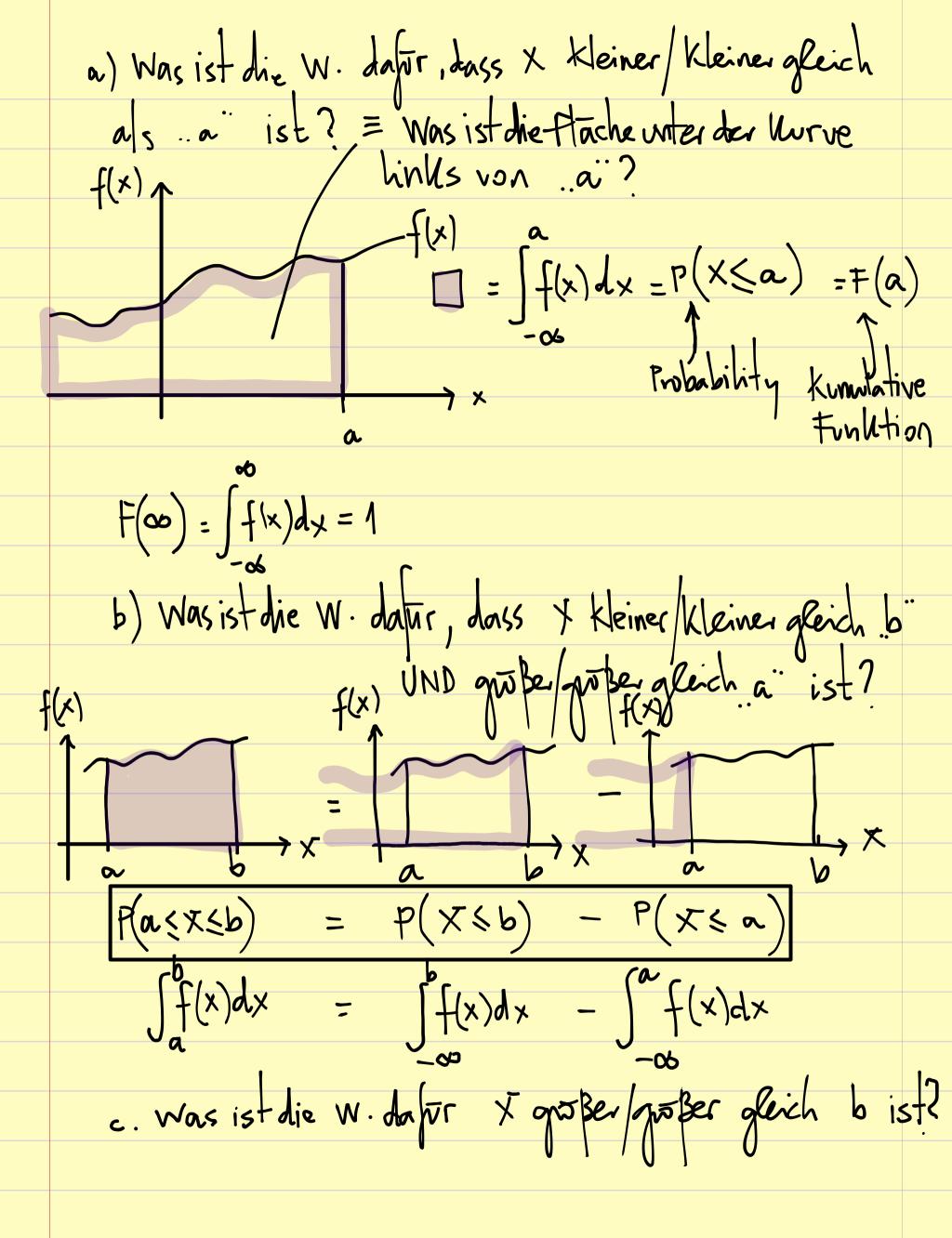
Baspiel. 
$$x(Noten)$$
 $>4.0$ 
 $(3,4)$ 
 $(2,3)$ 
 $(1.2)$ 
 $(3,6)$ 

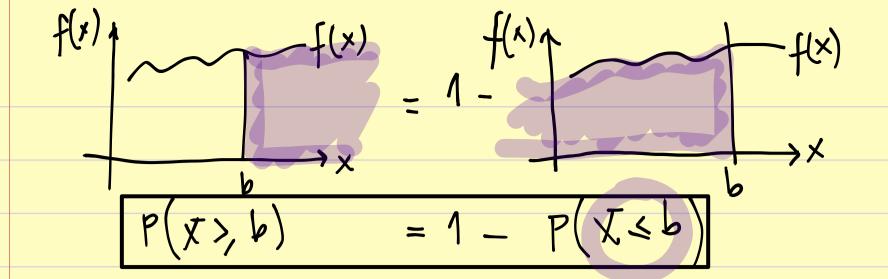


Die Haufigkeit vom Interval ergibt die WDF = 
$$f(x)$$
.

$$\int_{-\infty}^{\infty} f(x) dx = \sum_{n=0}^{\infty} Haufigheiten = 1$$

· W. Rechnung, omgenommen die WDF ist bekannt





Flache = 1 = 
$$(b-a) \cdot h$$
  
 $h = \frac{1}{b-a}$   
 $f(x) = \begin{cases} \frac{1}{b-a} & a < x < b \\ 0 & sonst \end{cases}$   
 $M_1 = \frac{a+b}{2}$   $\sqrt{M_2} = \frac{b-a}{\sqrt{12}}$ 

$$f(x) = f(x)$$

$$h = h$$

$$h = h$$

$$h = h$$

. Was ist die W. dathr, dass X < x ist?

$$P(X_{u} \leq x) = \int_{-\infty}^{\infty} \int_{a}^{b} (x) dx = \frac{1}{b-a} \cdot x - a$$

$$F(X) = \frac{X-a}{b-a}$$

$$\int_{-\infty}^{x} \int_{-\infty}^{x} (x) dx = \int_{-\infty}^{x} \int_{-\infty}^{x} (x) dx$$

