5.1.5. ©
$$A(x)$$
 for hontinuoling is 1.

GHE 870, betrabt

$$|f(x) - f(1)| = \left|\frac{1}{x} - 1\right|$$

$$= \left|\frac{1 - x}{x}\right|$$

$$= \frac{|x - 1|}{|x|}$$

$$= \frac{|h|}{|h + 1|}$$

$$= \frac{1}{|h + 1|} \cdot |h|$$

$$|h| = 2|h|$$

$$|h| = 3|h|$$

$$|h| = 3|h$$

5.492 5) Shal ine at
$$x = 9$$
 $\sqrt{\frac{1}{2}} \times 2 = 9$ $\sqrt{\frac{1}{2}} \times 2 = 9$

Con function $f:[a,b] \rightarrow \mathbb{R}$ er hontinueliz i et indre punt $CE(a,b) \Longrightarrow \lim_{x\to c} A(x) = A(c)$.

Samme for endepuntiene, men da med ensidege greenser. $\lim_{x\to a} A(x) = A(a)$ eller $\lim_{x\to b} A(x) = A(b)$.

5.4.4. ©
$$\sqrt{x} = \sqrt{x} + \sqrt{x} = \sqrt{x} + \sqrt{x} = \sqrt{x}$$