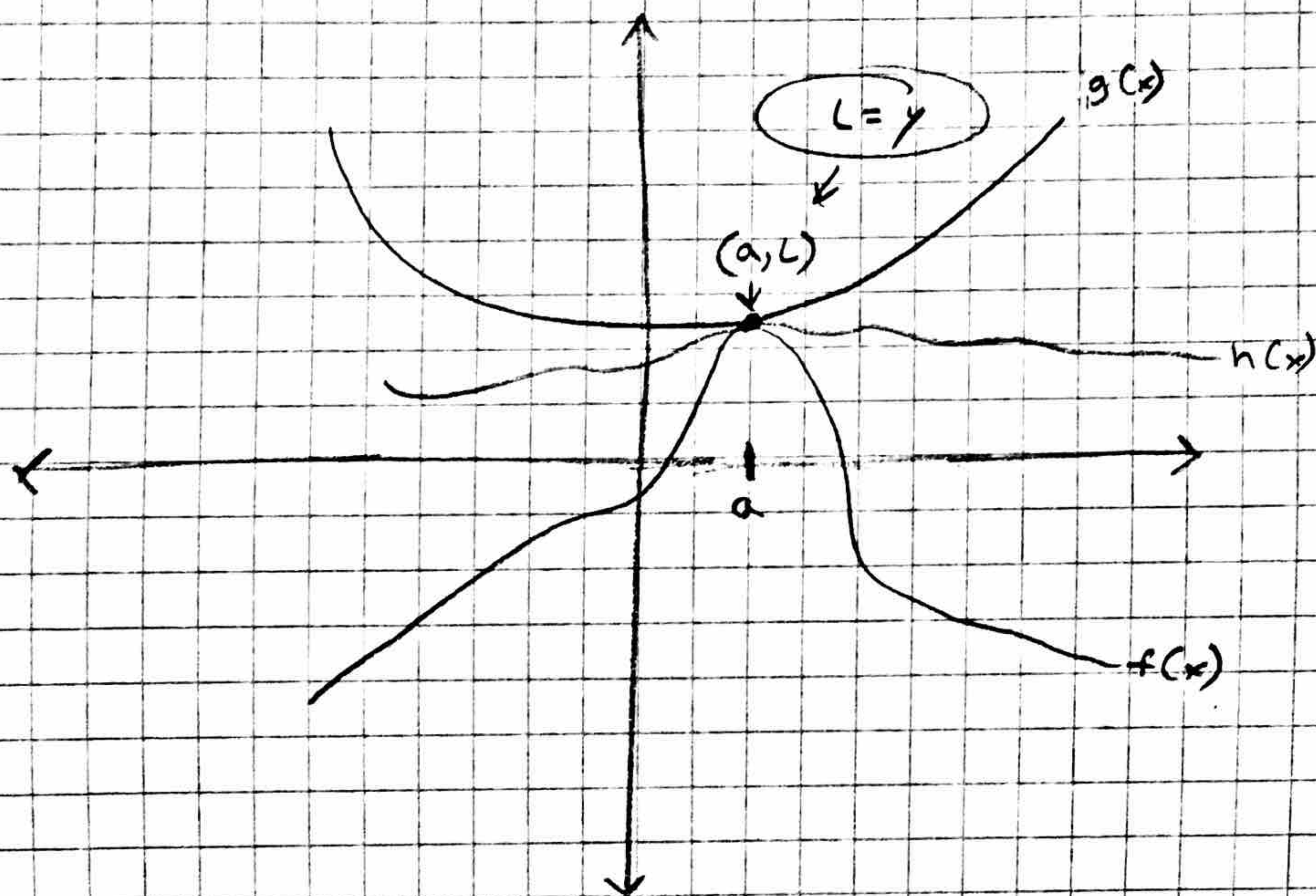


Comparison and Squeeze



Squeeze Theorem

$$f(x) \leq h(x) \leq g(x)$$

$$\lim_{x \rightarrow a} f(x) = L = \lim_{x \rightarrow a} g(x)$$

$$\lim_{x \rightarrow a} h(x) = L$$

Squeezing $h(x)$
between $f(x)$ and $g(x)$

Comparison Theorem

$$f(x) \leq g(x)$$

$$\lim_{x \rightarrow a} f(x) \leq \lim_{x \rightarrow a} g(x)$$

Comparing $f(x)$ and $g(x)$