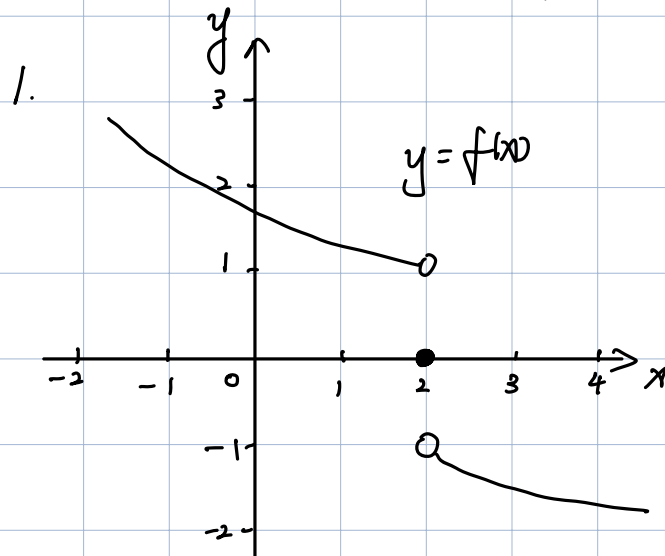


Limit of $f(x)$

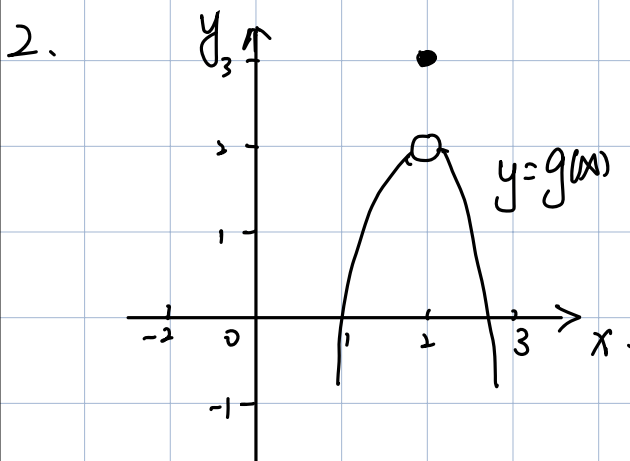


$$\lim_{x \rightarrow 2^-} f(x) = 1$$

$$\lim_{x \rightarrow 2^+} f(x) = -1$$

$$\lim_{x \rightarrow 2} f(x) \text{ DNE}$$

$$f(2) = 0$$

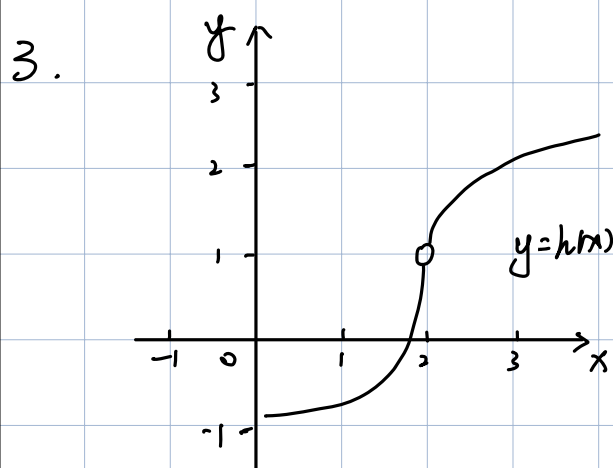


$$\lim_{x \rightarrow 2^-} g(x) = 2$$

$$\lim_{x \rightarrow 2^+} g(x) = 2$$

$$\lim_{x \rightarrow 2} g(x) = 2$$

$$g(2) = 3$$

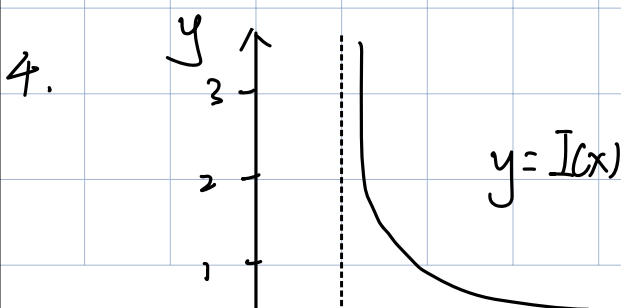


$$\lim_{x \rightarrow 2^-} h(x) = 1$$

$$\lim_{x \rightarrow 2^+} h(x) = 1$$

$$\lim_{x \rightarrow 2} h(x) = 1$$

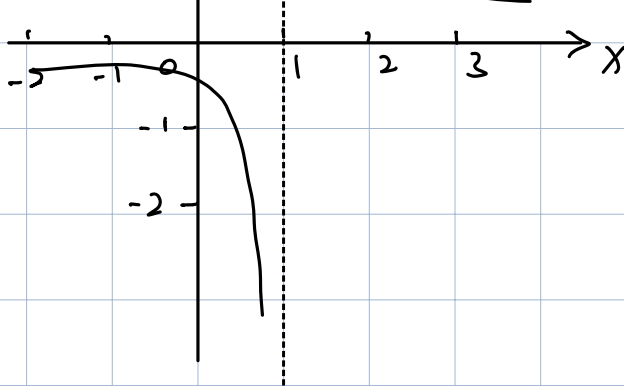
$$h(2) \text{ DNE}$$



$$\lim_{x \rightarrow 2^-} I(x) = \infty$$

$$\lim_{x \rightarrow 2^+} I(x) = -\infty$$

$$\lim_{x \rightarrow 2} I(x) \text{ DNE}$$



5.