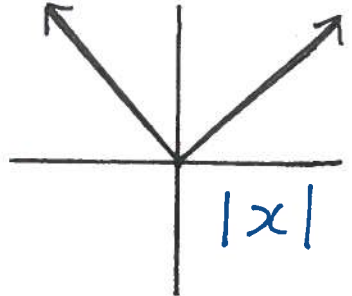
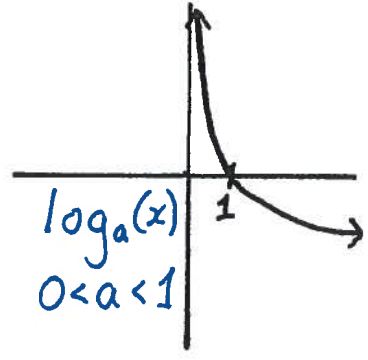
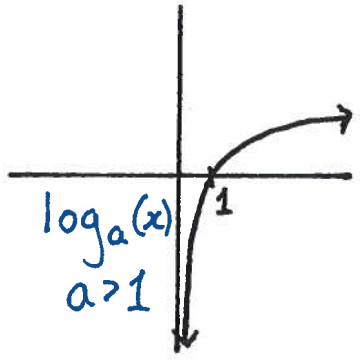
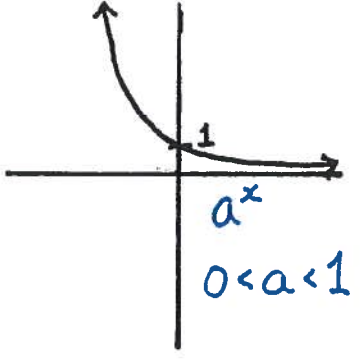
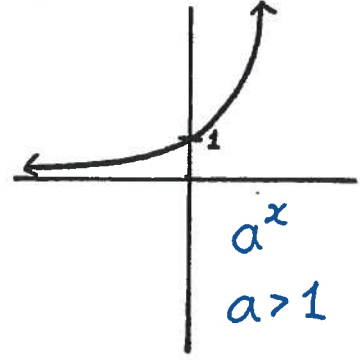
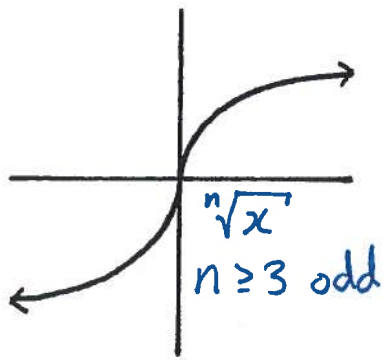
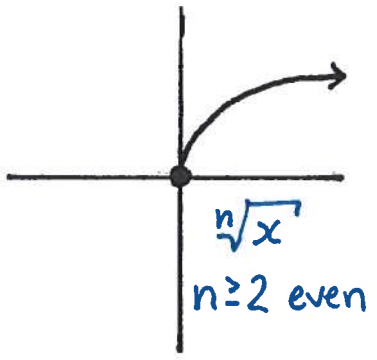
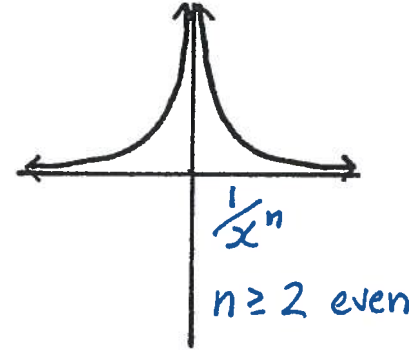
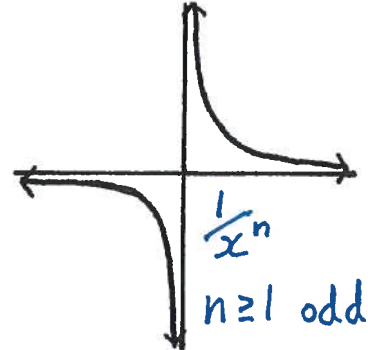
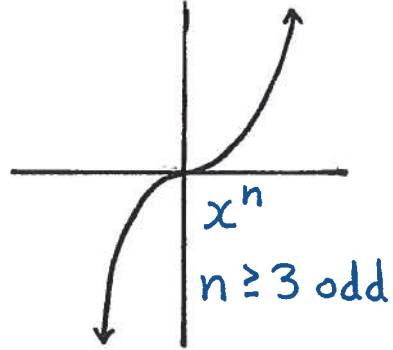
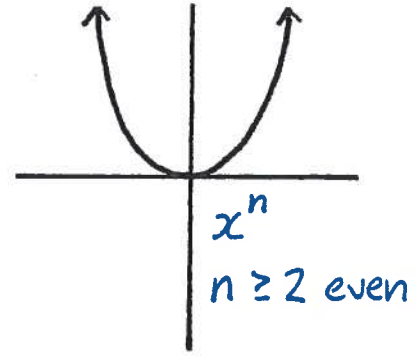
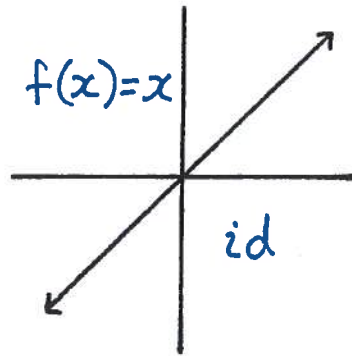
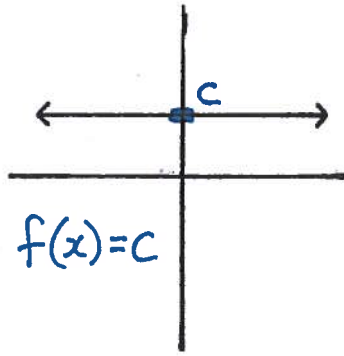
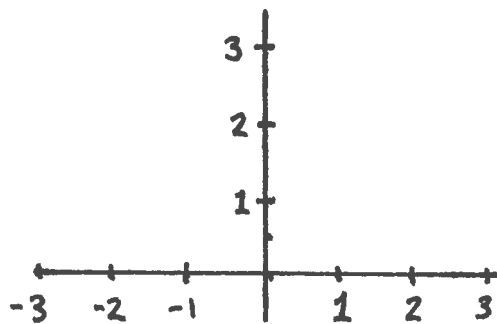


# § Functions



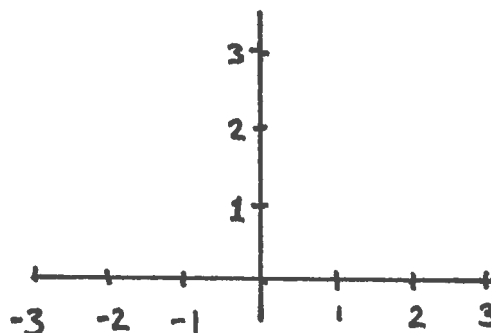
$$f: (-\infty, 0) \rightarrow \mathbb{R}$$

$$f(x) = e^x$$



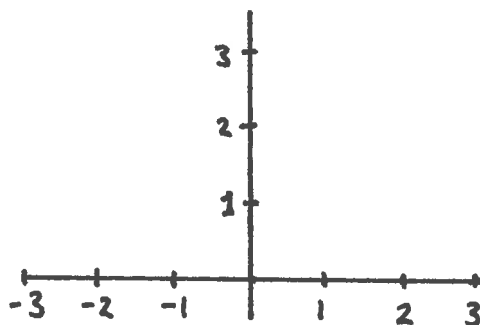
$$g: [0, 1) \rightarrow \mathbb{R}$$

$$g(x) = 1$$



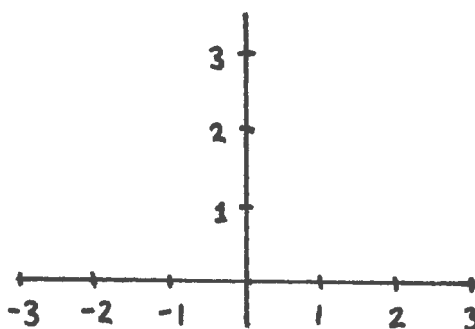
$$h: \{1\} \rightarrow \mathbb{R}$$

$$h(x) = 2$$



$$q: (1, \infty) \rightarrow \mathbb{R}$$

$$q(x) = \frac{1}{x}$$



$$p: \mathbb{R} \rightarrow \mathbb{R}$$

$$p(x) = \begin{cases} e^x & \text{if } x \in (-\infty, 0); \\ 1 & \text{if } x \in [0, 1); \\ 2 & \text{if } x = 1; \text{ and} \\ \frac{1}{x} & \text{if } x \in (1, \infty). \end{cases}$$

