

$$a^{f(x)} > b$$

$$f(x) > \ln_a(b)$$

$$a > 1$$

$$f(x) < \ln_a(b)$$

$$0 < a < 1$$

$$f(x) < -b$$

$$f(x) > b$$

union

$$\Leftrightarrow$$

$$|f(x)| > b$$

$$\Leftrightarrow$$

$$|f(x)| < b$$

$$-b < f(x) < b$$