

## Logaritminės funkcijos

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$$y = \log_a x \quad (\text{kai } a > 0 \text{ ir } a \neq 1)$$

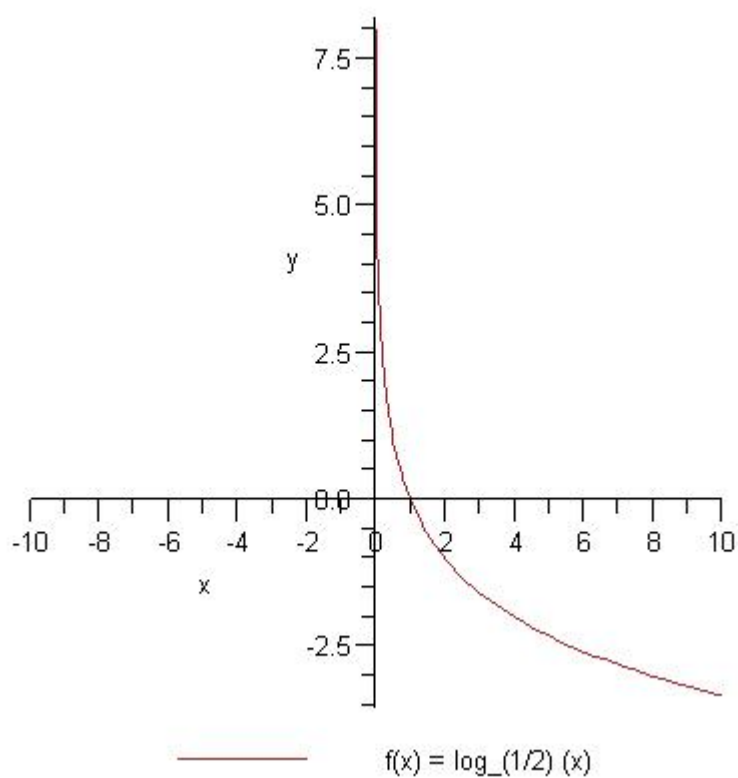
$$D(y) = (0; +\infty)$$

$$E(y) = (-\infty; \infty)$$

### Pavyzdys ( $0 < a < 1$ )

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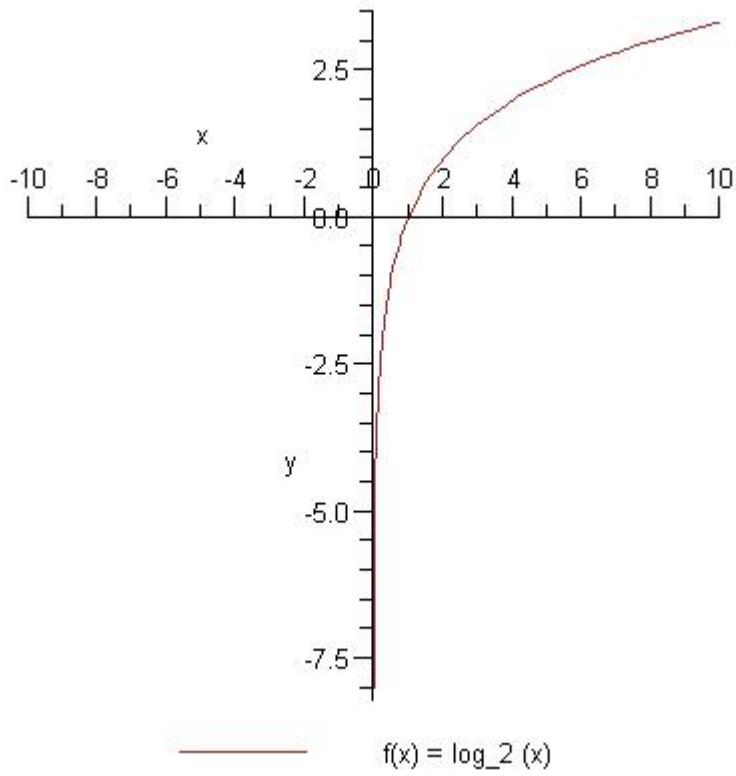
$$f(x) = \log_{\frac{1}{2}}(x)$$



### Pavyzdys ( $a > 1$ )

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$$f(x) = \log_2(x)$$



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