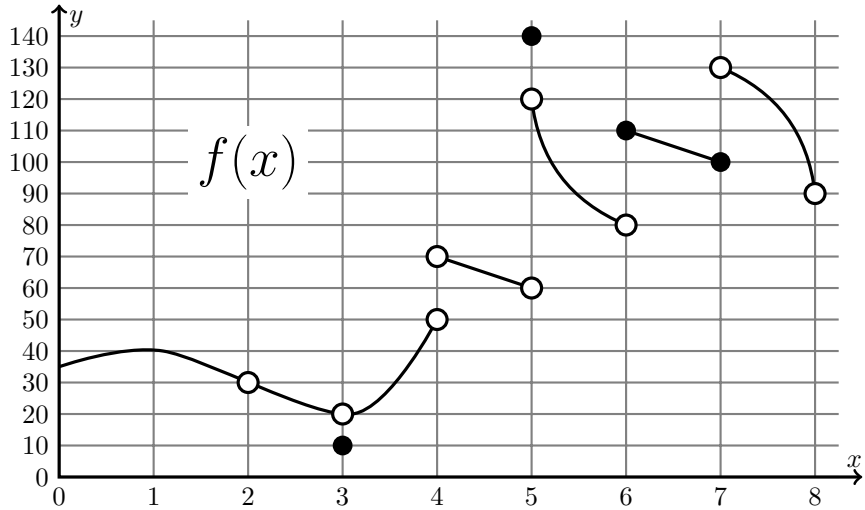


Name: _____



$$1. \quad \begin{cases} f(1) = \\ \lim_{x \rightarrow 1^-} f(x) = \\ \lim_{x \rightarrow 1^+} f(x) = \\ \lim_{x \rightarrow 1} f(x) = \end{cases}$$

$$5. \quad \begin{cases} f(5) = \\ \lim_{x \rightarrow 5^-} f(x) = \\ \lim_{x \rightarrow 5^+} f(x) = \\ \lim_{x \rightarrow 5} f(x) = \end{cases}$$

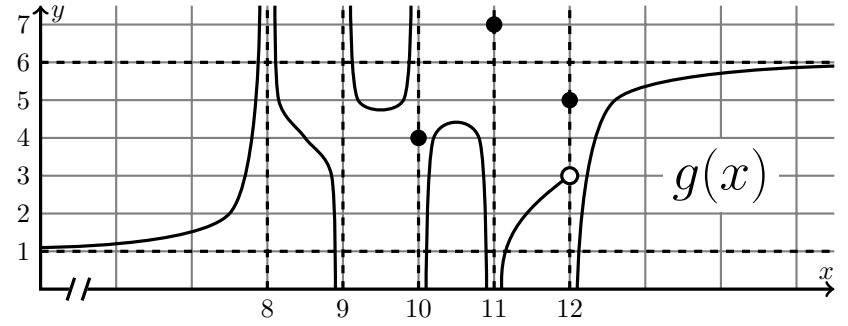
$$2. \quad \begin{cases} f(2) = \\ \lim_{x \rightarrow 2^-} f(x) = \\ \lim_{x \rightarrow 2^+} f(x) = \\ \lim_{x \rightarrow 2} f(x) = \end{cases}$$

$$6. \quad \begin{cases} f(6) = \\ \lim_{x \rightarrow 6^-} f(x) = \\ \lim_{x \rightarrow 6^+} f(x) = \\ \lim_{x \rightarrow 6} f(x) = \end{cases}$$

$$3. \quad \begin{cases} f(3) = \\ \lim_{x \rightarrow \mathbf{3}^-} f(x) = \\ \lim_{x \rightarrow \mathbf{3}^+} f(x) = \\ \lim_{x \rightarrow \mathbf{3}} f(x) = \end{cases}$$

$$7. \begin{cases} f(7) = \\ \lim_{x \rightarrow 7^-} f(x) = \\ \lim_{x \rightarrow 7^+} f(x) = \\ \lim_{x \rightarrow 7} f(x) = \end{cases}$$

$$4. \quad \begin{cases} f(4) = \\ \lim_{x \rightarrow 4^-} f(x) = \\ \lim_{x \rightarrow 4^+} f(x) = \\ \lim_{x \rightarrow 4} f(x) = \end{cases}$$



$$8. \quad \begin{cases} g(8) = \\ \lim_{x \rightarrow 8^-} g(x) = \\ \lim_{x \rightarrow 8^+} g(x) = \\ \lim_{x \rightarrow 8} g(x) = \end{cases}$$

$$11. \quad \begin{cases} g(11) = \\ \lim_{x \rightarrow 11^-} g(x) = \\ \lim_{x \rightarrow 11^+} g(x) = \\ \lim_{x \rightarrow 11} g(x) = \end{cases}$$

$$9. \quad \begin{cases} g(9) = \\ \lim_{x \rightarrow 9^-} g(x) = \\ \lim_{x \rightarrow 9^+} g(x) = \\ \lim_{x \rightarrow 9} g(x) = \end{cases}$$

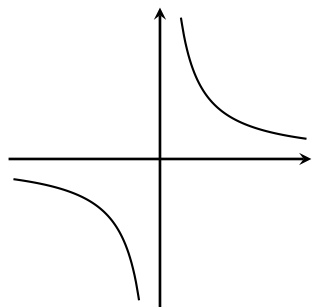
$$12. \quad \left\{ \begin{array}{l} g(12) = \\ \lim_{x \rightarrow 12^-} g(x) = \\ \lim_{x \rightarrow 12^+} g(x) = \\ \lim_{x \rightarrow 12} g(x) = \end{array} \right.$$

$$10. \quad \begin{cases} g(10) = \\ \lim_{x \rightarrow 10^-} g(x) = \\ \lim_{x \rightarrow 10^+} g(x) = \\ \lim_{x \rightarrow 10} g(x) = \end{cases}$$

13. $\lim_{x \rightarrow -\infty} g(x) =$

14. $\lim_{x \rightarrow +\infty} g(x) =$

15.



$$f(x) = 1/x$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

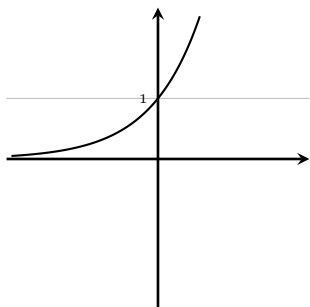
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

19.



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

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

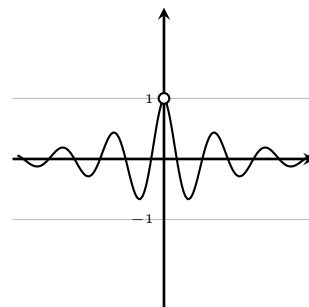
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

23.



$$f(x) = \frac{\sin(x)}{x}$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

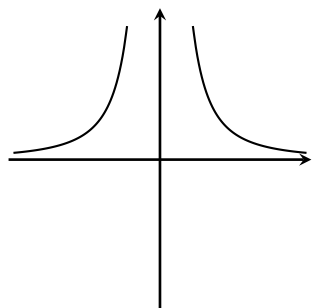
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

16.



$$f(x) = 1/x^2$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

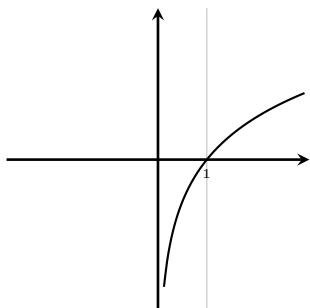
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

20.



$$f(x) = \ln(x)$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

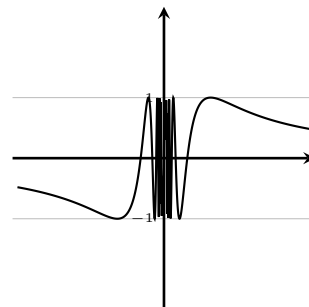
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

24.



$$f(x) = \sin(1/x)$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

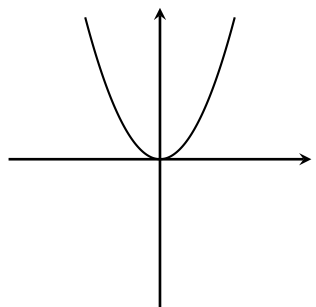
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

17.



$$f(x) = x^2$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

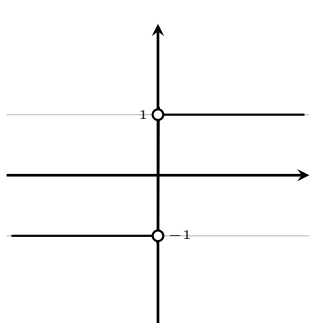
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

21.



$$f(x) = \frac{|x|}{x}$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

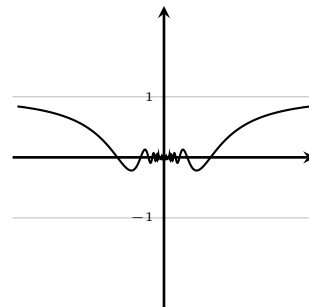
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

25.



$$f(x) = x \sin(1/x)$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

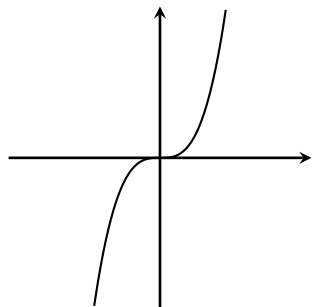
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

18.



$$f(x) = x^3$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

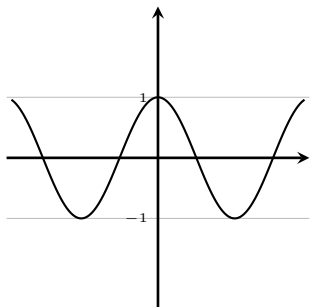
$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$

22.



$$f(x) = \cos(x)$$

$$f(0) =$$

$$\lim_{x \rightarrow 0^-} f(x) =$$

$$\lim_{x \rightarrow 0^+} f(x) =$$

$$\lim_{x \rightarrow 0} f(x) =$$

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow +\infty} f(x) =$$