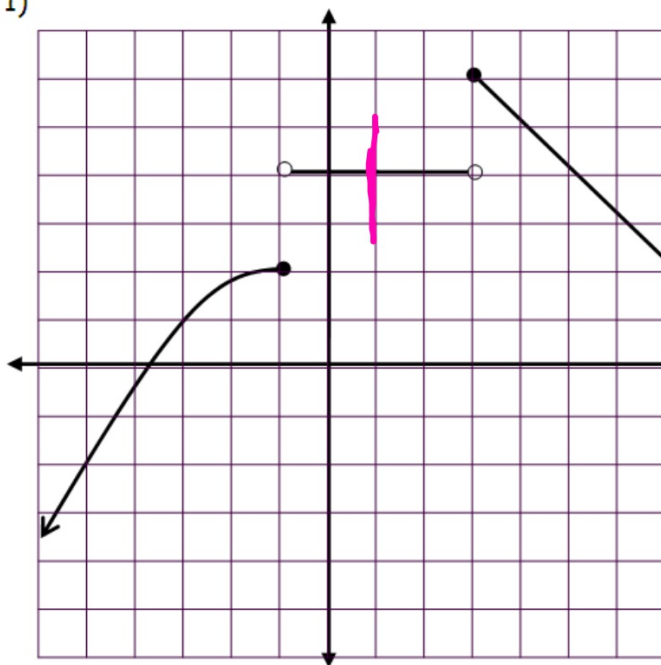


Given the graph of a function, find the requested values.

1)



$$f(0) = 4$$

$$f(3) = 6$$

$$f(-3) = 1$$

$$\lim_{x \rightarrow -3} f(x) = 1$$

$$\lim_{x \rightarrow 1^-} f(x) = 4$$

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

Right

$$f(1) = 4$$

$$f(-1) = 2$$

$$\lim_{x \rightarrow 1} f(x) = \text{DNI!}$$

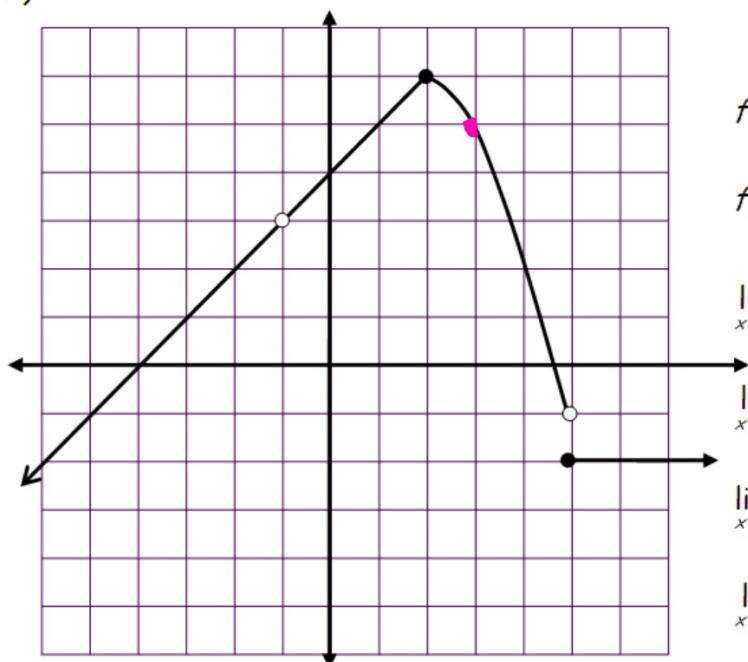
$$\lim_{x \rightarrow 1^+} f(x) = 4$$

$$\lim_{x \rightarrow 1} f(x) = 4$$

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

Left

2)



$$f(-1) = \text{DNE}$$

$$f(3) = 5$$

$$f(2) = 6$$

$$\lim_{x \rightarrow 3^-} f(x) = 5$$

$$\lim_{x \rightarrow 3^-} f(x) = 5$$

$$\lim_{x \rightarrow 3} f(x) = 5$$

$$\lim_{x \rightarrow 2^+} f(x) = 6$$

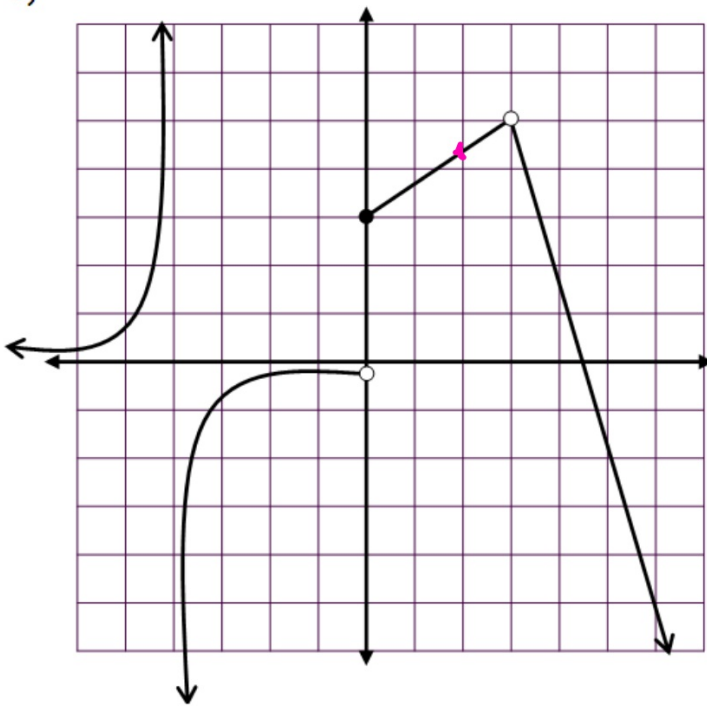
$$\lim_{x \rightarrow 2^-} f(x) = 6$$

$$\lim_{x \rightarrow 2} f(x) = 6$$

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

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

3)



$$f(0) = 3$$

$$f(2) = 4.5$$

$$\lim_{x \rightarrow 0^-} f(x) = -2$$

$$\lim_{x \rightarrow 3^-} f(x) = 5$$

$$\lim_{x \rightarrow 3} f(x) = 5$$

$$\lim_{x \rightarrow 4^-} f(x) = \infty$$

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

$$f(3) = \text{DNE}$$

$$\lim_{x \rightarrow 0^+} f(x) = 3$$

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

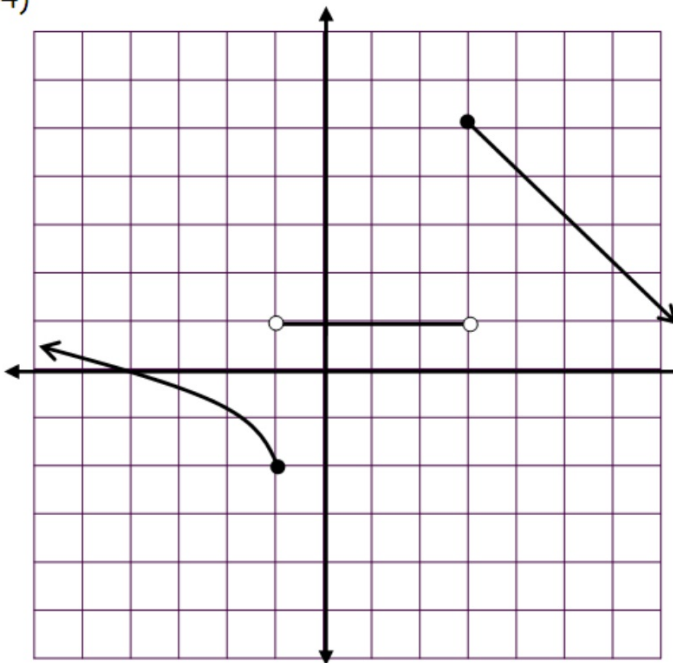
$$\lim_{x \rightarrow 3^+} f(x) = 5$$

$$\lim_{x \rightarrow 4^+} f(x) = -\infty$$

$$\lim_{x \rightarrow 4} f(x) = \text{DNE}$$

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

4)



$$f(4) = 4$$

$$f(3) = 5$$

$$f(-3) = -5$$

$$\lim_{x \rightarrow -3} f(x) = -5$$

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

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

$$f(1) = 1$$

$$f(-1) = -2$$

$$\lim_{x \rightarrow -1} f(x) = \text{DN}$$

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

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

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

