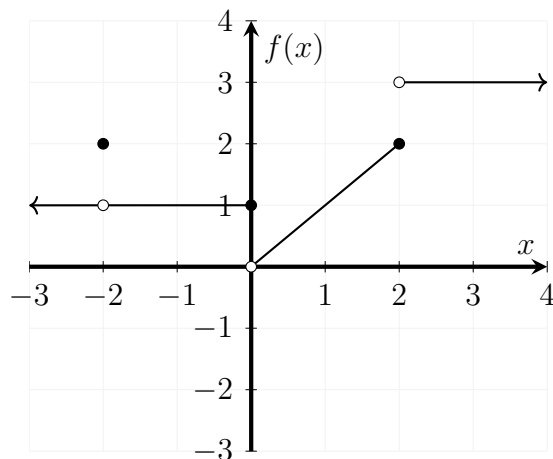


Quiz 3

Use the following graph of the function f for questions 1-4,



1. Compute

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

2. Compute

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

3. Compute

$$f(-2)$$

4. Compute

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

5. Find the following limit, if it exists:

$$\lim_{x \rightarrow -2} \frac{x^2 + 3x + 2}{x + 2}$$

6. Determine whether or not a function exists with the following conditions:

$$\lim_{x \rightarrow 2^+} f(x) = 1 \text{ and } \lim_{x \rightarrow 2^-} f(x) = \text{DNE}$$