Worksheet 3
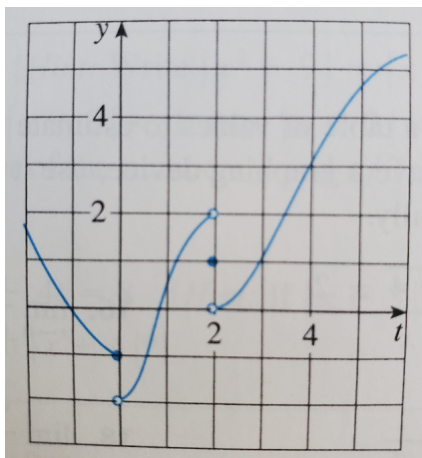## 10/3/2022

1. The graph of a function f is given in a figure below (taken from the textbook). Find the following values:

$$\lim_{x \to 0} f(x), \quad \lim_{x \to 0^-} f(x), \quad \lim_{x \to 0^+} f(x), \quad \lim_{x \to 2^-} f(x), \quad \lim_{x \to 2^+} f(x), \quad f(2), \quad \lim_{x \to 4} f(x)$$

2. Use your calculator or phone to guess the limit

$$\lim_{x \to 2} \frac{x^2 - 2x}{x^2 - x - 2}$$