

Name: _____

QUIZ 2

MATH 200, SECTION 9

February 5, 2021

Directions: Closed book, closed notes, no calculators.

Each problem is 10 points, for a total of 20 points.

By submitting this quiz you affirm that you agree with this statement: *On my honor, I have neither given nor received unauthorized aid on this assignment, and I pledge that I am in compliance with the VCU Honor System.*

1. Answer the questions about the function graphed below. (Short answer; no need to show work.)

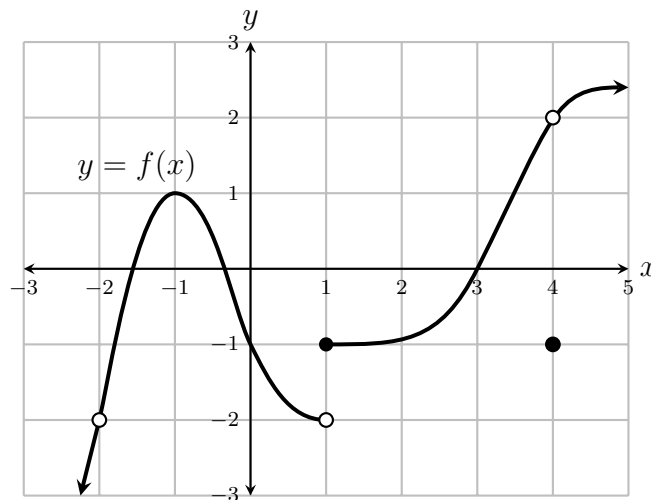
(a) $f(4) =$

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

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

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

(e) $\lim_{x \rightarrow -1} \sqrt{\frac{f(x) - 1}{4x}} =$



2. Find: $\lim_{x \rightarrow 5} \frac{x^3 - x^2 - 20x}{x^2 - 7x + 10}$

(You must show work to receive credit.)