

Name: _____

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.)

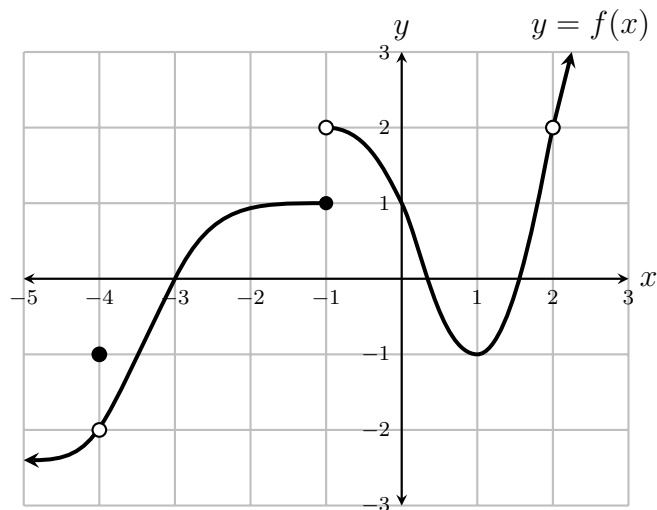
(a) $f(-4) =$

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

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

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

(e) $\lim_{x \rightarrow 2} \frac{5f(x)}{\sqrt{f(x) + 7}} =$



2. Find: $\lim_{x \rightarrow 5} \frac{1 - \frac{25}{x^2}}{x - 5}$

(You must show work to receive credit.)