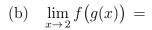
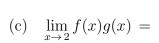
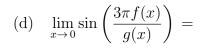
Directions: Closed book, closed notes, no calculators.

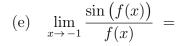
By submitting this quiz you affirm that you agree with this statement: On my honor, I have neither given nor received unauthorized aid on this assignment, and I pledge that I am in compliance with the VCU Honor System.

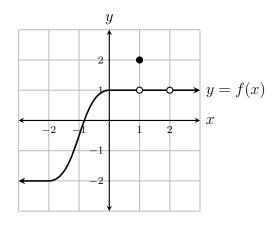
- 1. Answer the following questions involving the two functions graphed below.
 - (a) At which x (if any) is f(x) discontinuous?

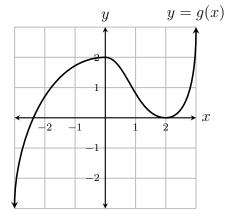




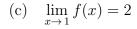








- 2. Sketch the graph of **one** function f that meets **all** of the following criteria.
 - (a) The domain of f is the interval [-5, 5].
 - (b) f is continuous at all x in [-5, 5] except at x = 1 and x = 3.



(d)
$$\lim_{x \to 3^{-}} f(x) = -2$$

(e)
$$\lim_{x \to 3^+} f(x) = 1$$

