Score: _____ out of 10.

Math 201 - Quiz#2

Name: _

- $(a) \lim_{x \to -1^{-}} f(x) =$ $(b) \lim_{x \to -1^{+}} f(x) =$ $(c) \lim_{x \to -1^{+}} f(x) =$ $(c) \lim_{x \to -3^{-}} \frac{x+2}{x+3} =$
- 1. Use the graph of the given function y = f(x) below to compute the following limits (if they exist):

3. Pick ONE of the following (please circle which one you will solve). Otherwise, I will grade the first one you work on. You must show work on this problem.

(a)
$$\lim_{x \to 2} \frac{x^2 - 4}{x^2 + x - 6}$$

(b)
$$\lim_{x \to 7} \frac{\sqrt{x + 2} - 3}{x - 7}$$

(c)
$$\lim_{x \to -4} \frac{\frac{1}{4} + \frac{1}{x}}{4 + x}$$