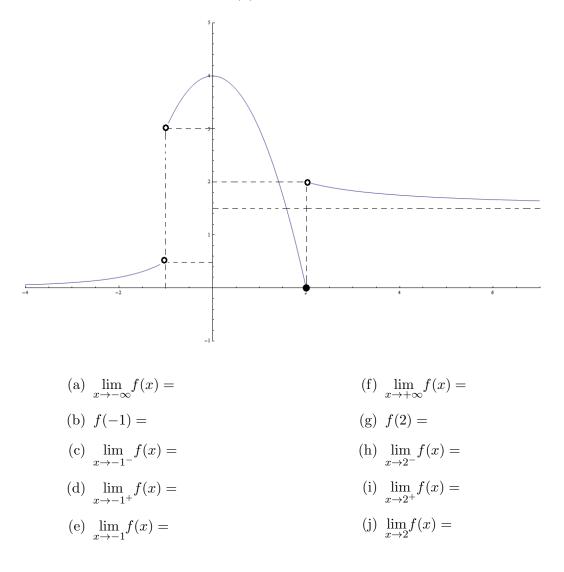
## QUIZ 3 - MATH 112 YOUR NAME:

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Consider the function y = f(x) whose graph is sketched below. Find the following:



2. Compute the following limits:

(a) 
$$\lim_{x \to 7} \frac{x^2 - 6x - 7}{x^2 - 12x + 35} =$$

(b) 
$$\lim_{x \to 3} \frac{\sqrt{x+1}-2}{x^2-3x} =$$