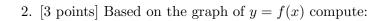
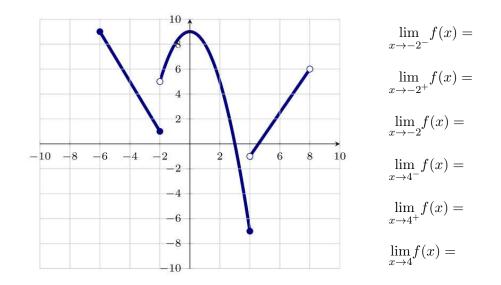
QUIZ 3 - MATH 112 YOUR NAME:

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

1. [5 points] Compute the difference quotient of $f(x) = \frac{1}{x+2}$ at x = 1 and simplify.





3. Compute the following limits:

(a) [2 points]
$$\lim_{x \to -2} (5x^2 + 9x) =$$

(b) [5 points]
$$\lim_{x \to 3} \frac{3-x}{\sqrt{5x+1}-4} =$$