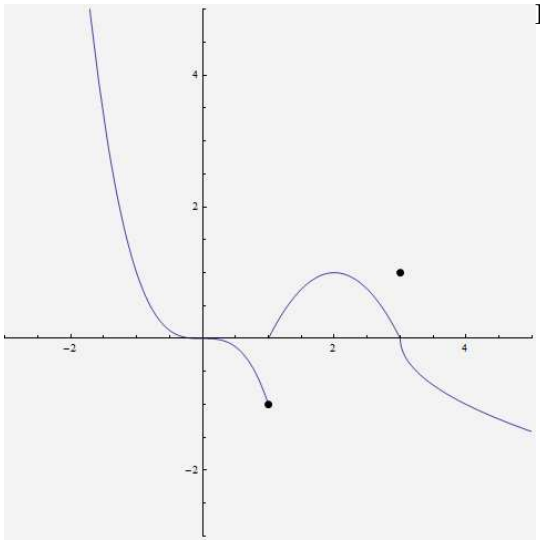
QUIZ 2 - MATH 112 Friday, September 13

YOUR NAME:_____ George Voutsadakis

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 $f(x)$ whose graph is depicted below:



Find the following limits:

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

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

$\lim_{x\to 1} f(x) =$

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

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

$\lim_{x\to 3} f(x) =$

2. Compute the $\lim_{x\to 7} \dfrac{2\sqrt{2x-5}-6}{x-7}$.

$\lim_{x\to 7} \dfrac{2\sqrt{2x-5}-6}{x-7} =$