

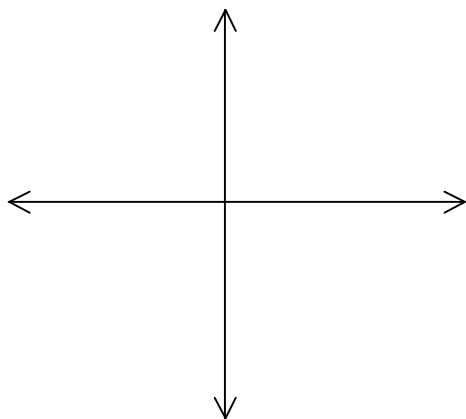
Quiz # 1 A

Math 152

Show your work on each problem to receive full credit.

1) (2 points)

Is the function continuous? If not, what part of 3-part continuity does it fail?



2) (4 points)

Use the 4-step process to find the derivative of $f(x) = 3x + 2$

3) (4 points)

Find the limit, if it exists: $\lim_{x \rightarrow (-3)} \frac{x^2 - 4x - 21}{x^2 + 4x + 3}$