Score: _____ out of 10.

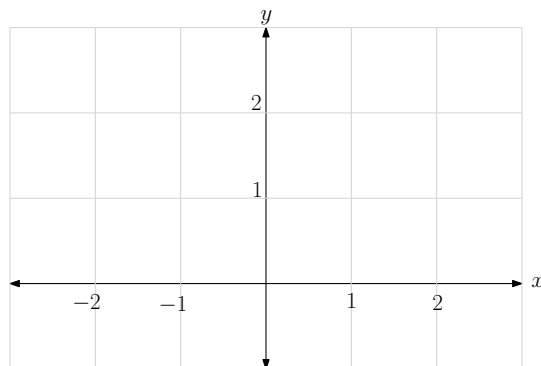Math 201 - Quiz #7   Name: _____

Solve as few or as many as you think you need to maximize your score. Please put an X through the problems you do not want graded.

1. Use the guidelines for curve sketching the produce a sketch (**draw this on the provided window**) for the function
$$f(x) = \frac{x}{x-1}.$$

   To receive full credit on this problem you must cover all parts of the guidelines.

2. A box with a square base and an open top must have a volume of 4 m^3. Find the dimensions of the box that minimize the amount of material used.