MATH 120A AUTUMN, 2001 **Name:** _____

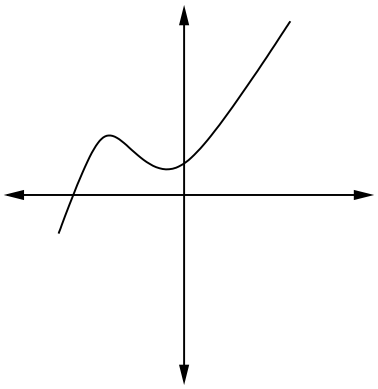
Quiz Three

		Truman	Jihyoun
Section	8:30	AA	AC
(circle one)	9:30	AB	AD

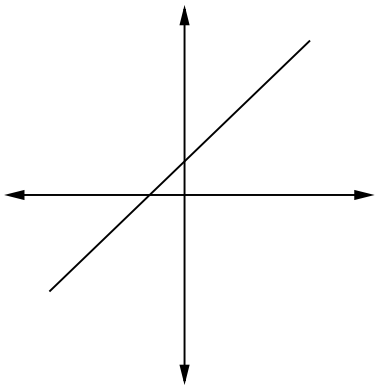
No notes. No calculators.
Simplify your answers. Show your work. Please put a box around YOUR FINAL ANSWER.
There are 15 points on this quiz.

1 (4 points) Which of the following are graphs of a one-to-one function? Please circle the letter of those that are one-to-one.

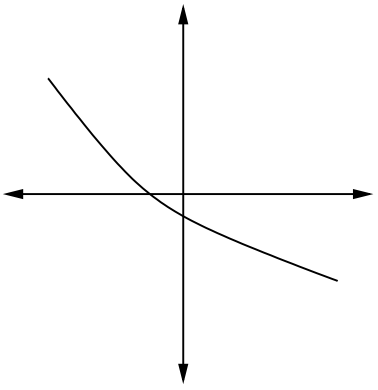
A:



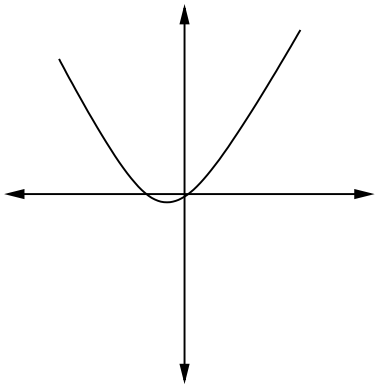
B:



C:



D:



For the problems on this page, consider the function

$$f(x) = \frac{2x - 3}{x^2 - 4x + 3}.$$

2 (5 points) Find the zeros and all asymptotes of $f(x)$.

3 (6 points) Graph the function $y = f(x)$ on the axes, below. Be sure to number the axes and show (and label) all zeros and asymptotes.