QUIZ 7	- MATH	111
YOUR	NAME:	

Thursday, October 26 George Voutsadakis

Read each problem **very carefully** before starting to solve it and do only what is asked. 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. [6 points] Consider the rational function $f(x) = \frac{18(x-1)}{(x+2)^2(x-3)}$. Please, answer the following by hand.

Dom(f) =

Vertical Asymptote(s):

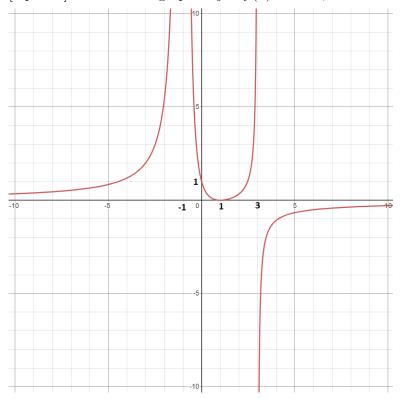
Horizontal Asymptote:

y-intercept:

x-intercept(s):

Sketch the graph, carefully displaying all features:

2. [6 points] Consider the graph of y = f(x). Please, answer the following by hand.



Dom(f) =

Vertical Asymptote(s):

Horizontal Asymptote:

y-intercept:

x-intercept(s):

Find a possible formula for y = f(x), showing all steps: