**Algebra 2 Yr 2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PRACTICE TEST 8.2-8.3 Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hour \_\_\_\_\_\_\_\_\_\_**

Sketch the asymptotes with broken lines graph each function. Identify the asymptotes, domain and range in the chart completely. BE NEAT!!!

x y

1. 

VA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HA:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

R: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

x y

2. 

VA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HA:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

R: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the equation in the form .

3.  3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Graph it!

Find the domain of each rational function. Identify all asymptotes and holes in the graph of each rational function. You do not have to graph this one!

6.  6. D: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VA : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HA : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Holes :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# 7. Sketch the graph of the rational function. Identify all asymptotes and holes in the graph of the

function.

Graph: 

Exclusion Chart:

CV :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Root(s): *x* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hole = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*y*-int. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# 8. Sketch the graph of the rational function. Identify all asymptotes and holes in the graph of the

function.



Exclusion Chart:

CV :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Root(s): *x* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hole = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*y*-int. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_