**8.2 Day 2 Algebra 2 Notes #2**  Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour:\_\_\_\_\_\_\_\_

**Solve the equation for y. State the vertical and horizontal asymptotes. State the domain and range. Then graph the function neatly, and be sure to include the asymptotes with broken vertical and horizontal lines**.

1.  2. 

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

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

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

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

3.  4. 

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

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

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

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

**Solve the equation for y. State the vertical and horizontal asymptotes. State the domain and range. Then graph the function neatly, and be sure to include the asymptotes with broken vertical and horizontal lines**.

5.  6. 

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

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

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

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

7.  8. 

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

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

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

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