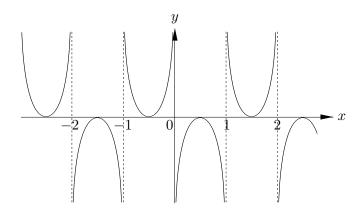
- 1. [12 points] For each of the following graphs of functions, write down
  - the period if the function could be periodic with a period less than 10, or **NONE** otherwise.
  - ullet the equation of a horizontal asymptote if it has horizontal asymptotes, or **NONE** otherwise.
  - the equation of a vertical asymptote if it has vertical asymptotes, or **NONE** otherwise.
  - **a**. [6 points]

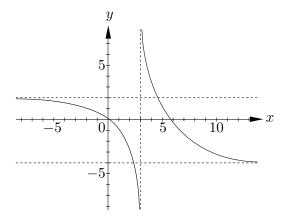


Period=\_\_\_\_\_

Equation of a vertical asymptote:\_\_\_\_\_

Equation of a horizontal asymptote:\_\_\_\_\_

**b**. [6 points]



Period=\_\_\_\_\_

Equation of a vertical asymptote:

Equation of a horizontal asymptote:\_\_\_\_\_\_.