**Rational Functions Discovery**

Part 1:

Each answer needs to be entered below for your notes and into Socrative for me to review.

1. Using Google or your favorite search engine, find out what a vertical asymptote is. Write a sentence explaining in words that make sense to you. You may want to include pictures as well.
2. Go to this website (<http://bit.ly/133YO4W>). What is the vertical asymptote of the function q(x)?
3. How does the equation of your vertical asymptote relate to the function q(x)? (Hint: Look at the equations for f(x) and g(x).)
4. Looking at the same website/function. What is the zero of the function?

1. How does the zero relate to the function q(x)? (Hint: Look at the equations for f(x) and g(x).)

When your group gets here stop and check with Mrs. Houck before moving on!

Practice- TURN IN FOR YOUR GRADE!!!

Find the zeros and vertical asymptotes for the following functions.

