Radical and Rational Review Name_____

Graphing Radicals!

- Look for the _____. How did it move? Is there a stretch? Did it reflect? Transformations will be expressed the same way they did in quadratic.

  Parent Function:_____

- Domain and Range: _____ (Remember, we always go low bound to high bound!)

Solving Radicals!

1. _____ the Radical.

2. _____ both sides.
3. Solve for x!
4. Be sure to check all answers! Some times we do all the math right, but the solution does not

   work! We call these answers_____!

Solving Direct and Inverse Variation!

1. Read the equation and determine the _____ of variation.
2. Set up the generic equation for that variation problem.
   Direct:

   Inverse:

3. Plug in the x and y values given! AND Solve for k!
4. Rewrite the generic equation in terms of x & y. But this time plug in _____.
5. Solve for what they ask for after plugging in the giving values!

Graphing Rationals (Inverse)!

- Draw in your _____! Remember, these are lines we approach but never touch or cross! When we have these lines, we ask ourselves: How did it move? Is there a stretch? Did it reflect?

  Parent Function:_____

- Domain and Range: _____!
  (Because we will have asymptotes we will have a union in our intervals!)

Solving Rationals (Inverse)!

1. _____

2. _____ if needed.
3. Solve for x!
4. Be sure to check all answers! Some times we do all the math right, but the solution does not

   work! We call these answers_____!