AA Unit 3: Inverses Notes

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| **I can find the INVERSE of a function algebraically.**  The first step to finding the inverse of  is to switch the \_\_\_\_  and the \_\_\_\_\_ to form the equation  \_\_\_\_\_\_\_\_\_\_\_\_\_  Then solve this equation for \_\_\_\_\_\_ by  Reversing Operations. | **I can find the INVERSE from a given table.**  The table representing the inverse can be  created by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **I can graph the INVERSE from a given graph.**  To draw the INVERSE, I locate \_\_\_\_\_\_\_\_\_\_\_ on the  original graph and switch the \_\_\_\_ and the \_\_\_\_\_ and  graph these new points. | **I can use a graph to determine whether or not a RELATION is a FUNCTION.**  The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Line Test shows that a  RELATION is a function if any \_\_\_\_\_\_\_\_\_\_\_\_ line  hits the graph in AT MOST \_\_\_\_\_\_\_\_ point.  The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Line Test shows that a  RELATION is NOT a function if any \_\_\_\_\_\_\_\_\_\_ line  hits the graph in MORE THAN \_\_\_\_\_\_\_\_ point. |
| **I can use a table to determine whether or not a RELATION is a FUNCTION.**  If a table has repeated \_\_\_\_ values that have different.  \_\_\_\_ values then the table \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  If each \_\_\_\_\_ value in a table has only one \_\_\_\_\_\_  value then the table \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_ | **I can use COMPOSITE FUNCTIONS to determine whether on not two functions are INVERSES.**  and  The COMPOSITE FUNCTION means you  replace the x in \_\_\_\_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_\_\_\_\_\_  If two functions are INVERSES then  simplifies to \_\_\_\_\_\_\_\_. This makes sense because  if two functions are INVERSES, combining the two  functions should \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |