Integrated 3 Chapter 1 Review for Test (NEXT CLASS) Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per \_\_\_\_\_\_

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| 1. Given  Find:  a)  b)  if | 2. Given  and . Arrange the functions so that the output of the first is the input of the second.  Find the final output if the beginning input is  in the order:  and then | | | |
| 3. What are the domain and range for the following function?      D:  R: | | | | 4. Given  and  Find:  a)  b) |
| 5. Graph the function (be sure to label the asymptotes). State the domain & range.  http://www.mathnstuff.com/gif/5x5plan.gif    6. Solve the following equation using the Zero Product Property: | D:  R:  7. Solve the following equation using the quadratic formula: | | | |
| 8. Find the x and y intercepts of the following. Show your work. | | | | |
|  | |  | | |
| 9.  Solve for . Show your work. | | | | |
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| 10.  State whether the following are polynomials. State the degree of each polynomial. | | | | |
| a) | | | b) | |