MATH 1314 College Algebra *Final Exam* *List to know*

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1. Solve the quadratic
2. Solve the rational equation
3. Solve using Pythagorean Theorem
4. Solve the quadratic inequality
5. Solve the rational inequality
6. Find the domain of the function
7. Find the difference quotient
8. Piecewise function: Find 
9. *Transformation*: Describe how the graph can be obtained from the graph of
10. Find
11. State whether there is a maximum or minimum value *and* find that value
12. Application: Maximum Area
13. Find the inverse function
14. Find the future value (compounded)
15. Expand log.
16. Solve the exponential equation
17. Solve the log equation.
18. Solve the log equation.
19. Find ***k*** or ***t*** in growth or decay function
20. Perform the matrix row operations
21. Application: Write the system equations (do not solve)
22. Find the values of the variable (sum or difference matrices)
23. Find *xA – yB*.
24. Find *A – B*. (letters)
25. Find the product (*x*’s)
26. Find the product
27. Evaluate the determinant (2 x 2 − letters)
28. Evaluate the determinant (3 x 3 − *x*’s)
29. Solve for \*\* using Cramer’s rule.
30. Find the inverse matrix (2 x 2)