

TOPICS TO REVIEW FOR MATH 101-V84/097 FINAL EXAM

1. Operations with Complex Numbers
2. Solving Rational Equations
3. Solving Radical Equations
4. Solving Quadratic Equations
 - a. Factoring
 - b. Square Root Property
 - c. Substitution
 - d. Quadratic Formula
 - e. Discriminant
5. Simplify expressions with Rational (fractional) Exponents
6. Solving Logarithmic Equations
7. Solving Exponential Equations
8. Solving Compound Inequalities
9. Solving Absolute Value Equations/Inequalities
10. Write equation of a line given information about the line
11. Determine if two lines are parallel, perpendicular, or coinciding
12. Use Properties of Logarithms to rewrite expressions
13. Apply Distance Formula
14. Apply Slope Formula
15. Write equation of a circle given information about the circle
16. Find domain and range given ordered pairs, graph, or function
17. Find the composition of two functions
18. Write the inverse of a function
19. Simplify complex fractions
20. Solve systems of equations and applications
21. Uniform Motion Problems
22. Mixture Problems
23. Simplify and Perform Operations with Radicals
24. Be able to graph:
 - a. Line
 - b. Circle
 - c. Parabola
 - d. Exponential function
 - e. Logarithmic function