What's on my final?

1. Order of operations problem.
2. Simplifying an algebraic expression with fractions and the distributive property.
3. Order of operations and division by or of zero.
4. Exponent rules to simplify a monomial divided by a monomial.
5. Exponent rules.

6 & 7. Solving an algebraic equation in one variable. Make sure you know all the possible types of solutions.

8. Checking the solution to an algebraic equation in one variable. Not resolving.
9. Solving and graphing an inequality in one variable.
10. Using ordered pair data from a word problem to model a scenario using a linear function in slope intercept form.
11. Interpreting the slope and y-intercept of a linear equation for a real world model.
12. Graphing a linear equation in two variables using the x & y-intercepts.

13 & 14. Solving a system of linear equations in 2 variables. Make sure you know all the possible types of solutions.

15. Solving a system of linear inequalities in two variables by graphing.
16. Using a system of linear equations in two variables to model real world simple interest problem in order to find given values.
17. Expanding the product of polynomials and correctly simplifying where needed.
18. Subtracting polynomials and simplifying as needed.
19. Factor a polynomial.
20. Simplifying a quotient of two polynomials. Also known as simplifying a rational expression.
21. Solving a quadratic equation by using factoring. No credit will be assigned for use of the quadratic formula.
22. Finding the x-intercepts of a polynomial function. Note that this uses the same techniques as solving a quadratic equation.