

## Algebra 1 Class Part 1 Topics

1. Identify linear functions from graphs, tables, and equations
2. Slope-intercept form
3. Slope-intercept form: graph and write an equation
4. Slope-intercept form: write an equation from a word problem
5. Linear equations: solve for y
6. Write linear functions: word problem
7. Linear inequalities: solve for y
8. Linear inequalities: word problems
9. Solve systems of linear inequalities by graphing
10. Find the number of solutions to a system of equations
11. Solve a system of equations by graphing, Substitution and Elimination
12. Characteristics of quadratic functions: graphs and equations
13. Graph quadratic functions in vertex form
14. Solve a quadratic equation using square roots
15. Solve a quadratic equation using the zero-product property
16. Solve a quadratic equation by factoring