

## Algebra 1 Class Part 2 Topics

1. Identify linear functions from graphs and equations and tables
2. Find the slope of a graph
3. Write equations in standard form
4. Standard form: find x- and y-intercepts
5. Graph a horizontal or vertical line
6. Point-slope form: graph an equation
7. Write an equation for a parallel or perpendicular line
8. Transformations of linear functions
9. Does  $(x, y)$  satisfy the inequality?
10. Is  $(x, y)$  a solution to the system of inequalities?
11. Solve a system of equations using any method
12. Complete the square and Solve a quadratic equation by completing the square
13. Solve a quadratic equation using the quadratic formula Using the discriminant
14. Write a quadratic function from its vertex and another point
15. Systems of linear and quadratic equations  
Identify linear, quadratic, and exponential functions from graphs
16. Write linear, quadratic, and exponential functions