

# Math 103 Test 1 Khan Academy Videos

## Order of Operations

1. <https://www.khanacademy.org/math/pre-algebra/pre-algebra-arith-prop/pre-algebra-order-of-operations/v/introduction-to-order-of-operations>

## Equations and Inequalities

2. Solving Equations: <https://www.khanacademy.org/math/algebra/one-variable-linear-equations/alg1-solving-equations/v/why-we-do-the-same-thing-to-both-sides-simple-equations>
3. Solving Equations: <https://www.khanacademy.org/math/algebra-home/alg-basic-eq-ineq/alg-variables-on-both-sides/v/solving-equations-with-the-distributive-property-2>
4. Number of Solutions to an Equation: <https://www.khanacademy.org/math/algebra-home/alg-basic-eq-ineq/alg-number-of-solutions-to-linear-equations/v/number-of-solutions-to-linear-equations>
5. Inequalities: <https://www.khanacademy.org/math/algebra-home/algebra/one-variable-linear-inequalities/multi-step-inequalities/v/multi-step-inequalities>
6. Absolute Value Equations: <https://www.khanacademy.org/math/algebra-home/alg-absolute-value/alg-absolute-value-equations/v/absolute-value-equations>
7. Absolute Value Inequality: <https://www.khanacademy.org/math/algebra-home/alg-absolute-value/alg-absolute-value-inequalities/v/absolute-value-inequalities>

## Functions, Domain, and Range

8. Interval Notation: <https://www.khanacademy.org/math/algebra-home/alg-functions/alg-domain-and-range/v/introduction-to-interval-notation>
9. Function Notation: <https://www.khanacademy.org/math/algebra-home/alg-functions/alg-evaluating-functions/v/understanding-function-notation-example-1>
10. Domain: <https://www.khanacademy.org/math/algebra-home/alg-functions/alg-domain-and-range/v/domain-of-a-function-intro>
11. Function or Relation: <https://www.khanacademy.org/math/algebra-home/alg-functions/alg-recognizing-functions-ddp/v/graphical-relations-and-functions>

## Graphs

12. Linear Inequalities: <https://www.khanacademy.org/math/algebra-home/alg-two-var-inequalities/alg-graphing-inequalities/v/graphing-linear-inequalities-in-two-variables-example-2>
13. Piecewise Functions: <https://www.khanacademy.org/math/algebra/algebra-functions/piecewise-functions/v/evaluating-piecewise-functions-example>
14. Piecewise Functions: <https://www.khanacademy.org/math/algebra/algebra-functions/piecewise-functions/v/graphing-piecewise-function>

## Lines and Equations

15. Intercepts: <https://www.khanacademy.org/math/algebra-home/algebra/two-var-linear-equations/x-and-y-intercepts/v/x-and-y-intercepts>
16. Slope-Intercept: <https://www.khanacademy.org/math/algebra-home/algebra/two-var-linear-equations/slope-intercept-form/v/slope-intercept-form>
17. Point Slope: <https://www.khanacademy.org/math/algebra/two-var-linear-equations/point-slope/v/idea-behind-point-slope-form>
18. Parallel and Perpendicular: <https://www.khanacademy.org/math/geometry-home/analytic-geometry-topic/parallel-and-perpendicular/v/find-the-equation-of-a-line>

## Applications/Word Problems

19. Percent: <https://www.khanacademy.org/math/algebra-home/algebra-basics/basic-alg-foundations/alg-basics-decimals/v/another-percent-word-problem>
20. Percent: <https://www.khanacademy.org/math/algebra-basics/basic-alg-foundations/alg-basics-decimals/v/finding-percentages-example>
21. Mixture: <https://www.khanacademy.org/math/algebra/one-variable-linear-equations/alg1-linear-equations-word-problems/v/mixture-problems-2>
22. Work Rate: <https://www.khanacademy.org/math/algebra2/rational-expressions-equations-and-functions/modeling-with-rational-functions/v/applying-rational-equations-1>

## Midpoint and Distance

23. Midpoint Formula: <https://www.khanacademy.org/math/geometry-home/analytic-geometry-topic/distance-and-midpoints/v/midpoint-formula>
24. Distance Formula: <https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythag-theorem/v/distance-formula>