

ALEKS Prep material as of January 2023

<https://accuplacer.collegeboard.org/accuplacer/pdf/next-generation-sample-questions-arithmetic.pdf>

<https://accuplacer.collegeboard.org/accuplacer/pdf/next-generation-sample-questions-quantitative-reasoning.pdf>

<https://accuplacer.collegeboard.org/accuplacer/pdf/next-generation-sample-questions-advanced-algebra-and-functions.pdf>

Topics on the ALEKS Test:

- Real numbers (including fractions, integers, and percentages)
- Equations and inequalities (including linear equations, linear inequalities, systems of linear equations, and quadratic equations)
- Linear and quadratic functions (including graphs and functions, linear functions, and parabolas), exponents and polynomials (including integer exponents, polynomial arithmetic, factoring, and polynomial equations), rational expressions (including rational equations and rational functions)
- Radical expressions (including higher roots and rational exponents)
- Exponentials and logarithms (including function compositions and inverse functions, properties of logarithms, and logarithmic equations)
- Geometry and trigonometry (including perimeter, area, and volume, coordinate geometry, trigonometric functions, and identities and equations).

For Students Retesting that want extra Practice:

For students retesting, they are required to practice 3 hours, but can practice remotely for up to 20 hours in the prep and learning module inside ALEKS. I would encourage students to use this module for practice for retesters (as opposed to first time testers) since the practice will surely be close to the test itself and is adaptive from how students perform on the assessment to target skills they need work on.