

# Grade 8 Algebra 1 H

Attached is a recommended list of concepts that students should have a proficient understanding of as they enter Grade 8 Algebra 1 H in the fall. If they so choose, students may reinforce their knowledge of these concepts by practicing skills at [Algebra 1 Math Help](#), [CliffsNotes](#), [Khan Academy - Math](#), or [Purple Math](#).

## Concepts

- Add, subtract, multiply, and divide positive and negative numbers without a calculator
- Use the order of operation to simplify expressions
- Evaluate variable expressions
- Simplify expressions using the distributive property and combining like terms
- Solve multi-step equations
- Identify rational and irrational numbers
- Use the rules of exponents to simplify expressions with powers
- Use the Pythagorean Theorem to find the missing side of a right triangle