Arizona Mathematics Standards

2016 Content Emphasis
Eighth Grade

Eighth Grade Major and Supporting Content Emphasis
Course content indicated by: ● major content; ▲ supporting content.

The Number System (NS)

● Understand that there are irrational numbers, and approximate them using rational numbers.

Expressions and Equations (EE)

● Work with radicals and integer exponents.

● Understand the connections between proportional relationships, lines, and linear equations.

● Analyze and solve linear equations and pairs of simultaneous linear equations.

Functions (F)

● Define, evaluate, and compare functions.

● Use functions to model relationships between quantities.

Geometry (G)

▲ Understand congruence and similarity.

▲ Understand and apply the Pythagorean Theorem.

▲ Solve real-world and mathematical problems involving volume of cylinders, cones and spheres.

Statistics and Probability (SP)

▲ Investigate patterns of association in bivariate data.

▲ Investigate chance processes and develop, use, and evaluate probability models.