MATHEMATICS
COMMON CORE STATE STANDARDS
DOMAINS & CLUSTERS FOR
GRADE 8

8.NS  The Number System
   • Know that there are numbers that are not rational, and approximate them by rational numbers.

8.EE  Expressions and Equations
   • 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.

8.F  Functions
   • Define, evaluate, and compare functions.
   • Use functions to model relationships between quantities.

8.G  Geometry
   • Understand congruence and similarity using physical models, transparencies, or geometry software.
   • Understand and apply the Pythagorean Theorem.
   • Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.

8.SP  Statistics and Probability
   • Investigate patterns of association in bivariate data.