Common Core Math 8
Unit 1
Rational Numbers, Properties of Integer Exponents and Square Root

Geometry

Understand and apply the Pythagorean Theorem

8.G.6-8

The Number System

Know that there are numbers that are not rational, and approximate them by rational numbers

8.NS.1
8.NS.2

Expressions and Equations

Work with radicals and integers

8.EE.1-2
8.EE.3-4

Key: Green = Major Clusters; Blue = Supporting Clusters; Yellow = Additional Clusters
Common Core Math 8
Unit 2
Proportional Relationships and Linear Equations Involving Bivariate Data and Solution of Simultaneous Equations

Expressions and equations

- Understand the connections between proportional relationships, lines, and linear equations

- Inv. pattern of assoc. in bivariate data
  8.SP.3

- Analyze and solve linear equations and pairs of simultaneous linear equations

- 8.EE.5
- 8.EE.6
- 8.EE.7a-b
- 8.EE.8a-c

Key: □ Major Clusters; □ Supporting Clusters; □ Additional Clusters

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Unit 3
Function to Model Relationships between Quantities

Key:  Green: Major Clusters; Blue: Supporting Clusters; Yellow: Additional Clusters

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Unit 4
Pythagorean Theorem, Congruence and Similarity, Problem Solving Involving 3-D Geometry

Geometry
- Understand congruence and similarity using physical models, transparencies, or geometry software
  - 8.G.1-3
- Solve real-world and mathematical problems involving volume of cylinders, cones and spheres
  - 8.G.9

Statistics and Probability
- Investigate patterns of association in bivariate data
  - 8.SP.1-2
- Additional Clusters
  - 8.SP.3-4

Key:  ■ Major Clusters;  □ Supporting Clusters;  ◀ Additional Clusters

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