

Essential skills and knowledge for this Davis School District course

Reasoning with Rational and Irrational Numbers

- a. Compute fluently and make reasonable estimates.
- b. Represent rational and irrational numbers in a variety of ways.

Algebraic Reasoning

- a. Represent linear relationships with equations and graphs.
- b. Explore slopes and intercepts of lines.
- c. Apply linear relationships in problem solving.
- d. Simplify algebraic expressions.
- e. Solve linear equations and inequalities both algebraically and graphically.
- f. Use the Pythagorean Theorem.

Proportional and Geometric Reasoning

- a. Find measurements of figures (length, area, volume).
- b. Create and interpret scale drawings.
- c. Understand and model relationships between ratio, fraction, and percent.
- d. Find measurements of similar figures.