

Learning Goals for Learning log #1

Chapter 1

8.SP.2: Statistics and Probability- Investigate patterns of association in bivariate data.

8.EE.5: Expressions and Equations- Understand the connections between proportional relationships, lines, and linear equations.

8.EE.7a,b: Expressions and Equations- Analyze and solve linear equations and pairs of simultaneous linear equations.

Chapter 2

8.EE.7a,b: Expressions and Equations- Analyze and solve linear equations and pairs of simultaneous linear equations.

Learning Goals Learning log #2

Chapter 3

8.EE.7a,b: Expressions and Equations- Analyze and solve linear equations and pairs of simultaneous linear equations.

8.F.1.2.3: Functions- Define, evaluate, and compare functions.

8.F.4: Functions- Use functions to model relationships between quantities.

Chapter 4

8.F.2: Functions- Define, evaluate, and compare functions.

8.F.4: Functions- Use functions to model relationships between quantities.

8.EE.6: Expressions and Equations- Understand the connections between proportional relationships, lines, and linear equations.

Leaning Goals for Learning log #3

Chapter 5

8.EE.7b.8a,b,c: Expressions and Equations- Analyze and solve linear equations and pairs of simultaneous linear equations.

Chapter 6

8.G.1.2.3.4: Geometry- Understand congruence and similarity using physical models, transparencies, or geometry software.

Learning Goals for Learning log #4

Chapter 7

8.SP.1.2.3: Statistics and Probability- Investigate patterns of association in bivariate data.

8.F.3: Functions- Define, evaluate, and compare functions.

8.EE.5.6: Expressions and Equations- Understand the connections between proportional relationships, lines, and linear equations.

Chapter 8

8.F.1.3: Functions- Define, evaluate, and compare functions.

8.F.5: Functions- Use functions to model relationships between quantities.

8.EE.1.3.4: Expressions and Equations- Work with radicals and integer exponents.

Learning Goals for Learning log #5

Chapter 9

8.EE.2: Expressions and Equations- Work with radicals and integer exponents.

8.G.5: Geometry- Understand congruence and similarity using physical models, transparencies, or geometry software.

8.G.6.7.8: Geometry- Understand and apply the Pythagorean Theorem.

8.NS.1.2: The Number System- Know that there are numbers that are not rational, and approximate them by rational numbers.

Chapter 10

8.EE.2: Expressions and Equations- Work with radicals and integer exponents.

8.G.9: Geometry- Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.