

INTERMEDIATE MATH SKILLS

SCOPE AND SEQUENCE

CHAPTER 1

Key topics: chance, outcomes, solving problems, prediction with graphs, ratios and area, similar triangles; ratios and rectangles, volume, pattern problems, multiple predictions, encryption

CHAPTER 2

Key topics: Similar and congruent, special triangles, networks, reflection, slopes, factors, radicals, expressions, algebraic fractions and order

CHAPTER 3

Key topics: review of: length, measure, weight, perimeter, area, volumes, Pythagorean theorem, ratio and proportion, similar shapes, graphs, probability, rounded estimates, interest, patterns

CHAPTER 4

Key topics: real numbers, rational thinking, less-greater than, less-equal-greater than, special rule for inequalities, intervals, set builders, interval notation, combined intervals, absolute value, absolute grouping, distance, midpoints

CHAPTER 5

Key topics: relations, functions, graphing functions, polynomials, binomials, trinomials, distributive property, distribution of fractions

CHAPTER 6

Key topics: polynomials—multiplication and division; FOIL, remainders, complex fractions, variable fractions, complex variables, multiple expressions, perimeter, similarity, factoring polys, reducing fractions