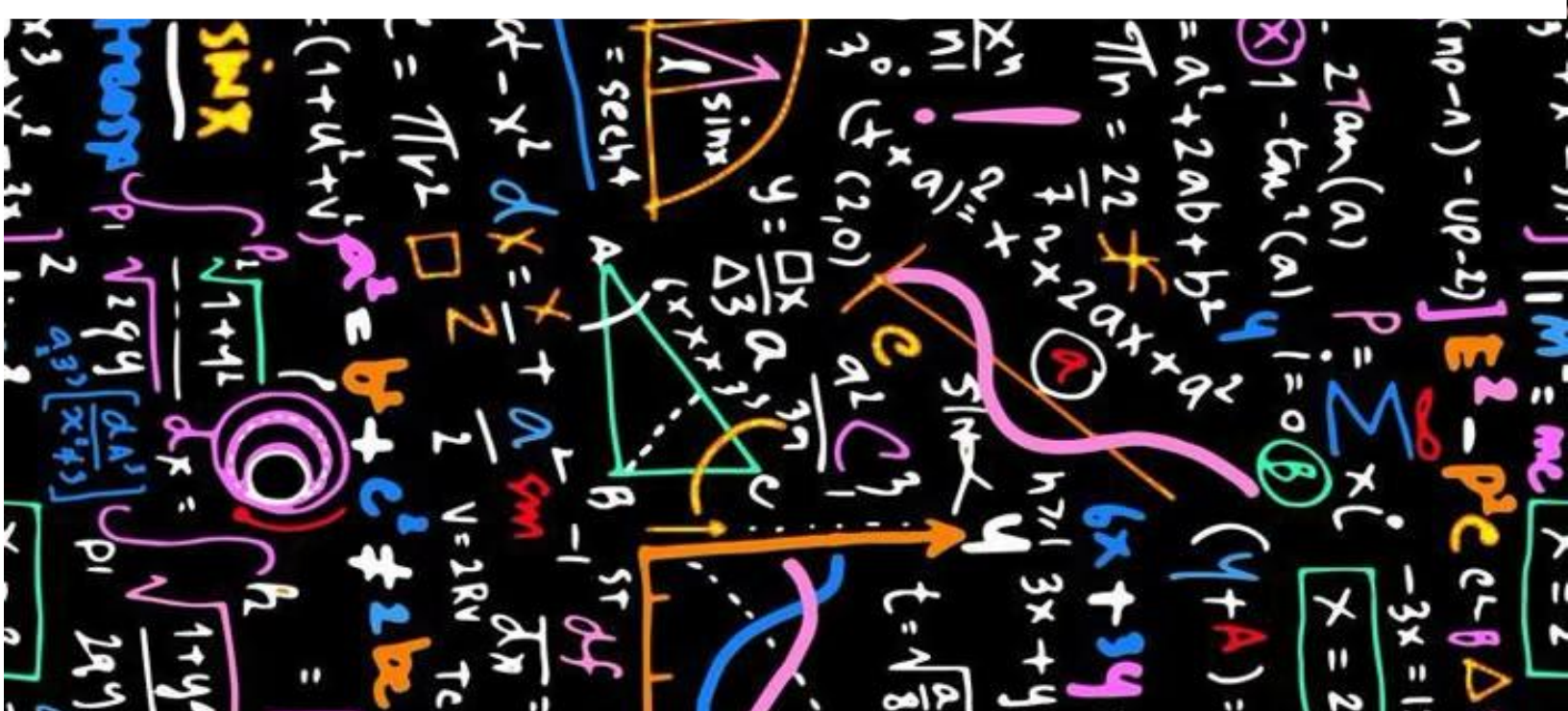




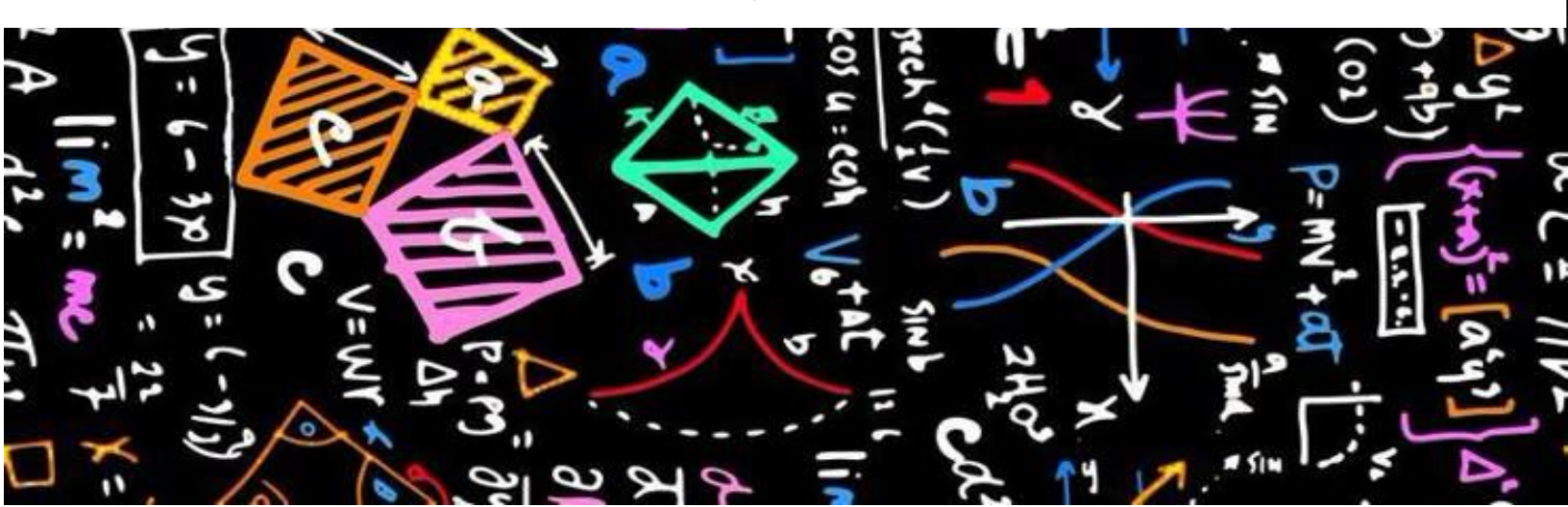
GED/HiSET Math Power

Strengthen Skills & Boost Scores



A Step-by-Step Workbook to Mastering Core
Math Concepts

Dr. Audrey Artis, Ed.D.



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Chapter 1: Understanding Numbers

Concept Explanation

Understanding numbers is essential for problem-solving in mathematics. This chapter covers whole numbers, integers, number operations, and place value to ensure a strong foundation for advanced topics.

Key Number Concepts

Whole Numbers vs. Integers Whole numbers include zero and all positive numbers (0, 1, 2, 3...). Integers include both positive and negative numbers

(... -3, -2, -1, 0, 1, 2, 3...).

Example: A company earned \$12,500 in January but recorded a \$4,200 loss in February. What is its total profit or loss after two months?

Place Value Place value determines the value of a digit in a number.

Example: The number 78,431 has

- 7 in the ten-thousands place
- 8 in the thousands place
- 4 in the hundreds place
- 3 in the tens place
- 1 in the ones place

If the digit 4 is replaced with 9, how much does the number change?

Basic Operations (Multi-Step Problems) Mastering addition, subtraction, multiplication, and division is necessary for solving complex problems.

Solve the following:

- A store sold 3,275 units in January, 4,563 in February, and 5,948 in March. What is the total number of units sold?
- A warehouse starts with 8,942 packages and ships out 3,187. How many remain?
- A factory produces 365 items per day. How many are produced in three weeks (21 days)?