

# MATH ESSENTIALS UNIT 11

## Simple Algebra

Name \_\_\_\_\_ Date \_\_\_\_\_

### PURPOSE

Learn to use simple algebra to solve problems.

HOW TO DO THIS COURSE: Do the steps in order. Initial and date each when done. Where there are two sign-off lines, get the step checked and initialed on the second line by another student, or if stated, by the instructor.

ESTIMATED TIME: 12 hours

#### BOOKS:

*Math Essentials, Finding & Filling the Gaps* or *Math Essentials, Unit 11 Simple Algebra*, Heron Books  
*Math Essentials, Exercise Answers*, Heron Books

### A. GETTING STARTED

1. READ: *Math Essentials, Unit 11 Simple Algebra*, Establishing a Routine. \_\_\_\_\_
2. ACTIVITY: Do the Review Exercise. **Instructor pass.** \_\_\_\_\_

### B. INTRODUCTION TO ALGEBRA

1. READ: Chapters Introduction to Algebra, and Variables and Expressions up to Exercise 1. \_\_\_\_\_
2. ACTIVITY: Do Exercise 1. 10 problems  missed  
If you missed any problems, or if you need or want more practice, do Additional Exercises.  
Additional Exercises. 10 problems  missed  
**Instructor pass.** \_\_\_\_\_

## C. SOLVING EQUATIONS

1. READ: Chapter Addition and Subtraction Equations up to Exercise 2. \_\_\_\_\_
2. ACTIVITY: Do Exercise 2.                      10 problems  missed  
If you missed any problems, or if you need or want more practice,  
do Additional Exercises.  
Additional Exercises.                      11 problems  missed \_\_\_\_\_
3. READ: Chapter Showing Multiplication and Division in Algebra up to  
Exercise 3. \_\_\_\_\_
4. ACTIVITY: Do Exercise 3.                      20 problems  missed  
If you missed any problems, or if you need or want more practice,  
do Additional Exercises.  
Additional Exercises.                      22 problems  missed \_\_\_\_\_
5. READ: Chapter Multiplication and Division Equations up to Exercise 4. \_\_\_\_\_
6. ACTIVITY: Do Exercise 4.                      10 problems  missed  
If you missed any problems, or if you need or want more practice,  
do Additional Exercises.  
Additional Exercises.                      11 problems  missed \_\_\_\_\_
7. READ: Chapter Solving Equations in Algebra up to Exercise 5. \_\_\_\_\_
8. ACTIVITY: Do Exercise 5.                      10 problems  missed  
If you missed any problems, or if you need or want more practice,  
do Additional Exercises.  
Additional Exercises.                      10 problems  missed \_\_\_\_\_
- Instructor pass.** \_\_\_\_\_

## D. WORD PROBLEMS

1. READ: Chapter Using Simple Algebra to Solve Word Problems up to  
Exercise 6. \_\_\_\_\_

2. ACTIVITY: Do Exercise 6. 5 problems  missed

If you missed any problems, or if you need or want more practice,  
do Additional Exercises.

Additional Exercises. 6 problems  missed

**Instructor pass.** \_\_\_\_\_

## E. FINAL ACTIVITY

1. ACTIVITY: Do Final Unit Exercises. 19 problems  missed

**Instructor pass.** \_\_\_\_\_

I have completed the steps of this course. I understand what I studied and can use it.

Student \_\_\_\_\_ Date \_\_\_\_\_

The student has completed the steps of this course and knows and can apply what was studied.

Instructor \_\_\_\_\_ Date \_\_\_\_\_

The student has passed the exam for this course.

Examiner \_\_\_\_\_ Date \_\_\_\_\_

### FOR FACULTY

#### NOTE

*Math Essentials, Instructor Manual* includes a full list of program materials, where to get them and how to use them.

#### ADDITIONAL RESOURCES

Exam and answers