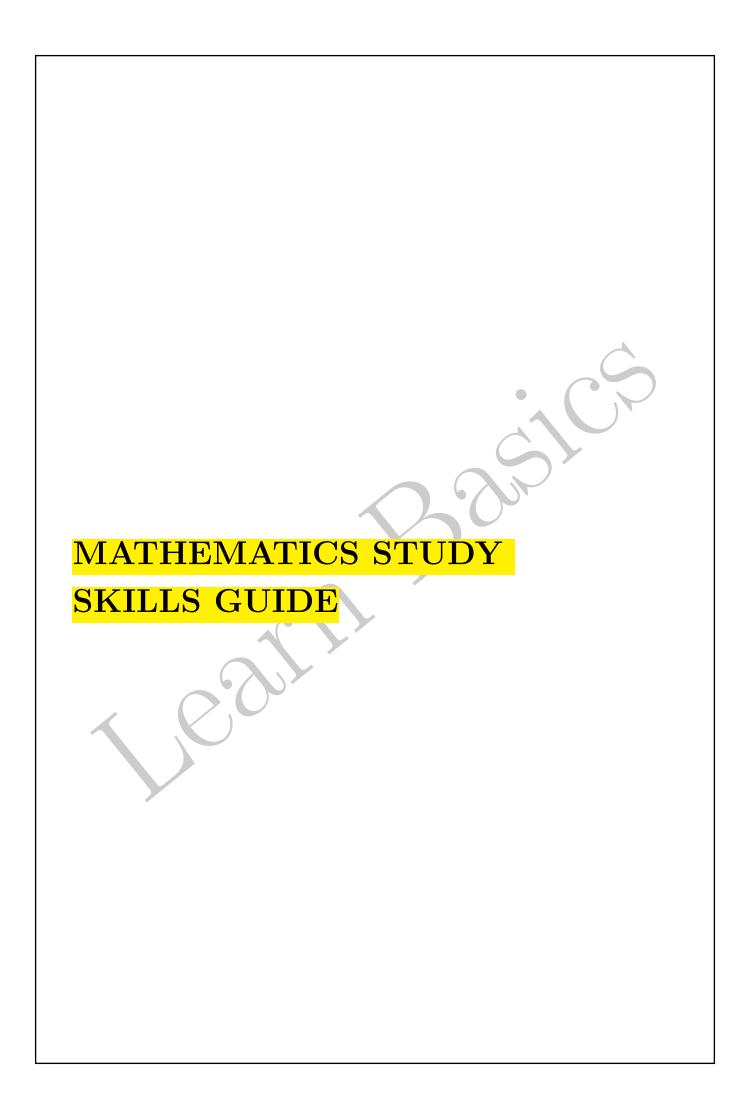
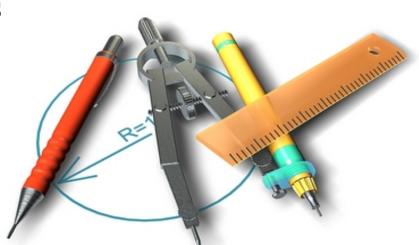
Task 2



Learning mathematics is different than learning most other subjects. In mathematics, special vocabulary and symbols are used and it is important that you not only understand the concepts being presented, but that you also apply these concepts. To be successful in mathematics, you need not only to read, attend class, and study, but you must practice the skills as often as you can. Mathematics is not a subject you learn by watching; you must DO mathematics to LEARN mathematics.

The purpose of
this STUDY SKILLS
GUIDE is to present
you with strategies for studying
that have been effective for students



in mathematics classes.

Developing good

study habits is one of the keys to being a successful learner of mathematics. Nine strategies are described in this guide.



Of course, attending class and paying close attention and taking good notes in class is also very important. Combining your classroom learning and your own studying, you can be a successful learner of mathematics.

Students' advice for being successful

I found that doing the homework day-by-day (a little every night) really helped me. Make sure you do all the homework. The flash cards were helpful.

Going over and over homework as well as notes. With no homework a student won't survive. Keep up. If falling behind, get help.

Don't miss any classes. Attendance is critical. I struggled the week or two that I missed a class.

A note about mathematics vocabulary

Some words used in mathematics are not used outside of the subject. But many mathematical terms are used elsewhere in everyday language.

Distinguishing different meanings of a word—and its special meaning in mathematics—is an important part of learning to do mathematics.

Examples:

"Power" refers to an exponent in mathematics, but has many other meanings, such as in electrical power, in other settings.

"Difference" is a mathematical term that indicates the result of the operation of subtraction. In everyday usage, "difference" refers to how two or more things are not alike.



As in the previous study strategy, your instructor may ask that you NOT use your textbook as a study aid. In these cases, you will need to rely on your notes as you do the homework exercises.



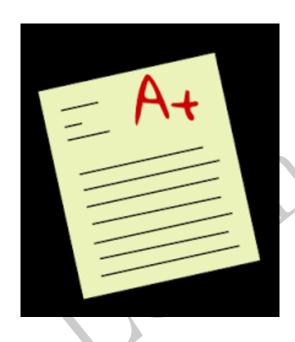
Be sure, in any case, that you are taking **thorough notes** in class. Be sure, in any case, that you are taking **thorough notes** in class. Do not just do

the exercises at the beginning of the problem set. Usually, the exercises get harder as you move on.

A note about doing homework

Do not just do the exercises at the beginning of the problem set. Usually the exercises get harder as you move on. It is best to do some of each—from simpler to harder—at first, then go back and do the ones you skipped. Make notes to yourself as you do your homework, especially on concepts that are not completely clear to you. You can ask about those problems during your next class meeting.

When doing your homework (including the examples), use your notes as a guide and write the procedures you use in completing an exercise. Often, there are different procedures used in problems involving the same concept, such as solving an equation.



The more you write what you are doing, the better you will remember it. Once you are comfortable doing a procedure, it is not necessary to write it each time you do it. Pay special

attention to the directions for completing the exercises. You will need to know what the directions mean for you to do and what procedures are used to carry out the directions.

The directions often use the specialized vocabulary of mathematics, so it is important to recognize the **key terms** (such as "simplify" or "solve"). Also, the directions to exercises may ask you to do something that is different than what you would expect to do. (For example, an equation may be given, and you may be asked to tell what type of equation it is, not to solve it.