Brock University
Department of Mathematics
Mathematics Skills Test Instruction Booklet
Note: Read all instructions and then proceed with activating your account to gain access to the Practice Test

Content of the Mathematics Skills Test

There are three major areas of high school mathematics content that the Mathematics Skills test covers:

- **Algebra** (equations of lines, factoring, simplifying expressions, solving equations and inequalities, absolute value and long division of polynomials)
- **Functions and Modeling** (domains, compositions, transformations, symmetry, inverses, roots, parabolas, and modeling)
- **Transcendental Functions** (exponential, logarithmic and trigonometric functions)

Preparing for the Mathematics Skills Test

The first step to prepare yourself for the test is to activate your Möbius account. Please click on the link if you have not already done to do so.

Skills Test Activation Link: Math 1P01 or Math 1P05 Fall 2024

You use your Brock account login and password for Brightspace, Brock's Learning Management System where many of your course content will be. To activate your account, please click on Open Link in New Tab. This should log you into Möbius and give you access to the Skills Test Class. You **MUST** activate your account prior to taking the Skills Test. For an alternative activation method, please see here.

PLEASE NOTE: You can only log in to Möbius **using Brightspace OR using the appropriate link above. Do not attempt to log in directly to Möbius as** it will not recognize your username and password**. For help loging in please see the Technical Issues FAQ.**

A Möbius Practice Test will be available to you after you register in the course to help prepare you to:

- enter answers using Möbius and its corresponding notation
- give some insight into the types of questions you may be asked during the Skills Test.

The Practice Test will have the same two-hour time limit as the actual test and cover the same mathematical topics. Each time you attempt the Practice Test, a new test is randomly generated, so **you are encouraged to make multiple attempts.** However, you are **strongly encouraged to** carefully review each practice attempt and then thoroughly go through the review materials **after completing each test, particularly those that cover areas where you may have struggled.** Please note that the practice test is not exhaustive, so there may be questions asked by the Mathematics Skills Test (MST) that are not on the Practice Test.

You must first familiarize yourself with the Möbius software by taking the Readiness Test, which is a basic orientation of Möbius and Möbius syntax (A summary Möbius notation is available at this link and examples of more advanced notation here). A **grade of 16 or highe**r on the **Readiness Test is required** before you can access the Practice Test.

Taking the Mathematics Skills Test

You are required to book a test time between **August 12th and August 16th** by going to this link following the instructions there to register for available test time. Registration opens on Friday, July 12 at 10:00 AM EDT. You must book your test by **Thursday, August 8th, 2024,** at **11:59 PM** eastern time. Booking requests are filled on a first-come first-served basis. You may only register once for the test, so please make sure you are available for the testing time you choose. Due to space limitations, if a testing time is full, you will have to book a different time.

Once a student passes the Mathematics Skills Test, they will be contacted by the Department of Mathematics and Statistics' Administrative Assistant and provided with an override to permit them to join their course.

The test is mandatory to obtain credit in Math 1P01 and Math 1P05. You **must arrange to come to our St Catharines campus** for one of the following test times:

Monday August 12	Tuesday August 13	Wednesday August 14	Thursday August 15	Friday August 16
10:00 AM to 12:00 PM	10:00 AM to 12:00 PM	10:00 AM to 12:00 PM	10:00 AM to 12:00 PM	10:00 AM to 12:00 PM
2:00 PM to 4:00 PM	2:00 PM to 4:00 PM	2:00 PM to 4:00 PM	2:00 PM to 4:00 PM	2:00 pm to 4:00 pm

Testing will take place in Mackenzie Chown J-block room 430 (located on the fourth floor of the building in the Department of Mathematics and Statistics) at Brock University using the software Möbius. No calculators or other aids will be permitted during the test. Scrap paper will be available for students to do rough work. Please bring your student ID card or other government photo identification. Please arrive in J430 fifteen minutes before the test start time.

Important Note: Students are responsible to ensure that they can log into Brock systems and provide student photo identification to verify their identity for the test. They must provide also satisfactory documentation (e.g. a medical note from a doctor for the booked time) in the event of an illness or other emergency that prevents them from writing the test. Unless the documentation is provided an accepted, a second attempt will not be permitted.

Completing the Mathematics Skills Test

If you fail to obtain 70% on the Skills Test, you will have one opportunity to write again at a second attempt (see schedule below). Students who did not pass will be emailed with details how to register for their second attempt by noon on Tuesday August 20th, 2024. The Skills Test website and Brightspace page will be updated by that time as well.

The dates and times of the second attempt testing period are as follows:

Monday August 26th	Tuesday August 27th	Wednesday August 28th	Thursday August 29th
10:00 AM to 12:00 PM	10:00 AM to 12:00 PM	10:00 AM to 12:00 PM	10:00 AM to 12:00 PM
2:00 PM to 4:00 PM	2:00 PM to 4:00 PM	2:00 PM to 4:00 PM	2:00 PM to 4:00 PM

To help prepare you for your second attempt, workshops will be offered both in-person at Brock and online using Microsoft Teams during the week of August 19-23. Instructions for registering for these workshops will be emailed to students by noon on Tuesday, August 13th, 2024. The Skills Test website and Brightspace page will be updated by that time as well.

If you do not successfully pass the test, you will not be permitted to join either course and deregistered from the course after the drop date if you have been added. Students who are unable to pass the test are strongly urged to take Math 1P20: Introduction to Mathematics as it is a preparatory course for Math 1P01/1P05. Students who have a grade of 80% or higher in Math 1P20 are exempt from future Skills Tests. Regardless of whether students have 80% in Math 1P20 or not, students are eligible to take the Mathematics Skills Test in future offerings of the test (e.g., January 2025 and August 2025).

You may wish to check out:

1. Our list of Review Material Links
2. Frequently Asked Questions
3. How to Review your Practice Tests
4. Guide to Entering Answers into Möbius
5. Möbius Syntax Guide Summary
6. Examples of Complicated Möbius Syntax
7. Help with Technical Issues with Möbius

Map of Brock University's St. Catharines Campus

Mackenzie Chown J-Block is here

NIAGARA ESCARPMENT

BROCK UNIVERSITY
MAIN & EAST CAMPUS MAP

- 🟡 BUILDING LEGEND
- 🔵 PARKING PERMIT
- 🟢 PARKING VISITOR
- ♿ PARKING ACCESSIBLE
- 🅿 PARKING METERED
- 🟧 PARKING PAY & DISPLAY
- 🔴 EMERGENCY PHONE
- 🔌 ELECTRIC VEHICLE CHARGING STATION
- 🚲 BICYCLE RACK
- 🚌 BUS STOP

BUILDINGS **BUILDINGS RESIDENCES** **BUILDINGS LEASED** BUILDINGS NOT BROCK OWNED
SITE ROADS & PARKING LOTS SITE WALKWAYS