

CMIS 160 Technology Check

In this course, you will need to read documents containing mathematical and logical symbols, and graphic images. These documents are of four types:

- Adobe Acrobat documents provided by your instructor
- Microsoft Word documents provided by your instructor
- HTML documents provided by your instructor
- The Course Modules, which you will find in WebTycho under Course Content

To read Adobe Acrobat documents, you need to have the free [Adobe Acrobat Reader](#). Microsoft Word documents, HTML documents, and the Course Modules may present problems, depending on the software installed on your computer. This note provides you instructions on how to evaluate your computer's ability to handle symbols and images. You should perform this evaluation carefully. Your instructor may request that you submit the results of the evaluation. In any event, you should advise your instructor if you encounter any problems.

1. Microsoft Word

This document is provided in a [Microsoft Word Version](#) and an [Adobe Acrobat Version](#). The [Appendix](#) at the end of this Word document contains samples of mathematical symbols and formulas typical of those that will occur in the course.

Please verify that:

- (1) you can download both the Microsoft Word and the Adobe Acrobat versions of this document,
- (2) all the symbols and formulas appear the same on both files,
- (3) you can edit the Microsoft Word version and save the edited file.

If the Microsoft Word and Adobe Acrobat documents do not appear substantially identical, or if you are not able to edit and save the Microsoft Word version, you should advise your instructor. (Do not attempt to edit the Adobe Acrobat version. Adobe Acrobat Reader does not provide editing capabilities.)

2. HTML Documents

The HTML standard defines a set of codes for representing mathematical and logical symbols and a variety of other symbols such as Greek letters. The document [HTMLMathSymbols.html](#) lists codes for mathematical and logical symbols. The document [HTMLMathSymbols.pdf](#) shows what you should see if your browser interprets all the codes correctly. Open [HTMLMathSymbols.html](#) in your browser, and compare what you see to [HTMLMathSymbols.pdf](#).

If you are using Microsoft Internet Explorer, all characters should be displayed correctly in your browser except for

- leftwards double arrow
- upwards double arrow
- downwards double arrow

- empty set
- not an element of
- not a subset of

for which you will see a small rectangle instead of the symbol. Your instructor will avoid use of any of these problem symbols in any HTML document prepared. If you see small rectangles for any other symbols, your system may be missing some software components. (As far as is known, both Netscape and Firefox display all symbols correctly.)

3. The Course Modules

In WebTycho, go to Course Content/Course Modules/Module 2/Commentary, and scroll down to Table 2.4. You should see numerous occurrences of the symbols \wedge and \vee between letters. If you see small rectangles instead, your browser is not properly configured. If you have this problem, you will find numerous other places in the modules where symbols are not displayed correctly.

Below are the known possible solutions. Please report any unresolved problems, or additional helpful information, to your instructor.

A. For Internet Explorer: You have three options:

(i) If you have Microsoft Office installed, you may attempt to load the "International Support" feature of Microsoft Office. The procedure is as follows. You will need to log on to an administrator account.

1. Go to the control panel and open Add or Remove Programs.
2. Select Microsoft Office 2003 and click on Change.
3. Select Add or Remove Features.
4. Select the check box labeled "Choose advanced customization of applications".
5. Scroll down and expand "Office Shared Features".
6. Expand "International Support".
7. Select Universal Font and set as Run from My Computer.
8. Click on the Update button to begin installing this option. (May require CD unless you cached the office setup files on your system).

(ii) Download and install [Netscape 8](#).

(iii) Download and install Mozilla Firefox from <http://mozilla.com>.

B. For Mozilla Firefox:

Download and install the Math fonts from Mozilla at <http://www.mozilla.org/projects/mathml/fonts/>. (This may only apply to users who have earlier versions of Firefox. No problems have been reported with new downloads of Firefox.).

Appendix: Sample Symbols, Formulas, and Graphics

Here are samples of things that will be included in documents:

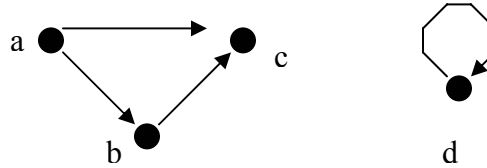
Symbols from Insert/Symbol.../Font: Symbol that we will use extensively:

$\forall \exists \leq \geq \leftrightarrow \rightarrow \times \bullet \neq \emptyset \cap \cup \subset \subseteq \in \wedge \vee \equiv \Sigma \Pi$

A complex formula:

$$\sum_{i=0}^{m+1} \frac{\sqrt{m+1-i}}{i^2+1} = Q(m)$$

Some simple graphics:



An embedded image:

