

Math 291  
Lab 6  
Due Monday March 18, 2019

**Instructions:** Use  $\LaTeX$  to typeset a document containing each component described below. Turn in your lab in D2L Brightspace. You should submit both your raw TeX (.tex) file and your compiled document (as a pdf). Do *not* submit a .zip file.

You will be graded on both your raw TeX code and the accuracy of your compiled document. Remember to include Lab6 in the file name.

Create a document that has each of the following elements.

- It is created in  $\LaTeX$  using the beamer document class.
- Add the necessary information to create a title page for your your beamer presentation, including *at least* your name, the phrase “Math 291  $\LaTeX$ ”, a title, and the institution Minnesota State University Moorhead.
- Either pick one of the prepackaged beamer styles and use it for your beamer document or design your own. If you design your own, specify an inner, outer, font, and color theme (see the Beamer User Guide for details on and options for these commands).
- Add the commands necessary to add a table of contents to your document.
- Use at least three sections in your document.
- At least one of your sections should have two or more subsections, and at least one of the other sections should have at least one subsection.
- Each slide should have a title.
- At least one content-based frame should contain a reasonably complicated mathematical formula.
- At least one content-based frame should use the pause command at least three times (in the same frame).
- At least one content-based frame should make use of the “only” command (with at least four pages/slides being created with that command).
- Another content-based frame should be identical in content to the frame mentioned just above, but should use the “onslide” command instead of the “only” command.
- At least one content-based frame should make use of an enumerated list with transparency effects, that is not using either the “onslide” or “only” commands (so using the shortcut method), and which generates at least four pages/slides.

**Note:** Other than these restrictions, you may design the content of your presentation however you wish. You may also add additional frames if you wish, just make sure that you include the above requirements.

**Note 2:** If you are using a modified presentation from another of your classes for this assignment, or intend to use this Math 291 assignment as a first step towards an assignment in another class, tell me which class it is. And also tell the other professor. [Doing so is fine with me at least, I just want to be informed of the overlap between classes.]