

## MAE4360: Mathematics Instructional Analysis

Technology Assignments for Week 3

# Day 1

1. Meet in Room 322
2. Every student needs to select a computer station numbered 1-10.
3. Open a web browser (Internet Explorer, Firefox, or Google Chrome)
4. Log into Falcon Online and download the geogebra quickstart pdf file from the content area of the course shell labelled TECHNOLOGY ACTIVITIES.
5. Launch the Geogebra program from the start tab. If prompted, update the program, do so ( I do not think it will require an administrator). If it does require admin, then just use the current program.
6. Using the Geogebra quickstart guide, follow all steps to complete Examples 1 – 4. All directions and pictures are provided to help you understand how to navigate the program. As you complete each example, you need to save it as a geogebra file (...gbb).
7. After all examples have been completed, you will need to go to [www.geogebra.org](http://www.geogebra.org). Click on help, and then tutorials.
8. Under the section labelled tutorials for beginners, you need to complete the following task:
  - a. Constructing an equilateral triangle
  - b. Constructing a square

(Remember to save each task as a geogebra file).
9. Once all tasks and examples are complete, upload them as separate files in the dropbox of our course shell.

# Day 2

1. Meet in Room 322.
2. Every student needs to select a computer station numbered 1-10.
3. Open a web browser (Internet Explorer, Firefox, or Google Chrome)
4. Log into Falcon Online and download the TI Area Formulas tns file and the Area Formula student file (word document) from the content area of the course shell labelled TECHNOLOGY ACTIVITIES.
5. If the tns file does not open in the TI-Npire program, you will need to open TI-Nspire from the start tab and open the tns file while in the TI-Nspire program.

6. Following the directions on the Area Formula student file, complete the entire activity. Please note: You will be using the program to complete the activity. Be sure to answer all questions within the activity sheet.
7. Repeat steps 4-6 with the Application of Polynomials tns file and the Application of Polynomial. Please note: You will be using the program to complete the activity. Be sure to answer all questions within the activity sheet.
8. Once both activities are complete, save them and upload them into the dropbox area of the course shell.

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**IF YOU CANNOT OPEN THE TNS FILES, YOU CAN ACCESS THEM FROM THE TI WEBSITE. SIMPLY GO TO: [www.education.ti.com](http://www.education.ti.com).** Click on the activities tab, then on Math Nspired. For the Area Formulas Activity, click on geometry and for the Application of Polynomials Activity, click on Algebra 2. For both, you will scroll down to find the activity and click on the tns file associated with that activity on the right side of the screen.