



# Mail Merge & Equation Editor

Spring 2012

# Equation Editor

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- The Equation Editor is used to insert mathematical equations into MS Office documents
- Go to the Insert tab and select Equation

# Problem 13.2

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- Type the following slide into in a Word document entitled **PUNetIDequation.doc** using the Equation Editor. Everything on the slide is to be typed into the Word document exactly as the slide appears.

## Problem 13.2 Continued

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The following is a famous identity by D.H. Lehmer derived from the arcsin series, and it is used to compute approximations of  $\pi$  using computers to millions of decimal places

$$\sum_{n \geq 1} \frac{-9n + 18}{\binom{2n}{n}} = 2 \frac{\pi}{\sqrt{3}}$$

where  $\binom{2n}{n}$  is the binomial coefficient  $\frac{(2n)!n!}{n!}$  and by definition the factorial of a positive integer  $n$  is  $n! = n(n-1)(n-2) \dots (3)(2)(1)$ .

# Mail Merge in Word

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- Why use mail merge?
- Steps to using mail merge
  - Select the **Mailings** tab
  - Select **Start Mail Merge** then **Step by Step Mail Merge Wizard**

# Mail Merge Wizard

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1. **Select the Document Type** (the type of form you would like to create)  
**Letters**
2. **Select the Starting Document** (the document into which you would like to merge the data.) **Use the current document**
3. **Select Recipients** (generally the file that contains the information that you would like to merge into the Starting Document chosen in Step 2) **Use an existing list** then **Browse** and find the Excel file used for the merge
4. **Write your letter**, which includes inserting the fields from the Recipients file you chose in Step 3). Typically, inserting is done by choosing **More Items** at the bottom of the Wizard dialog box and then inserting accordingly.
5. Add the merged fields to your letter by Inserting Merge Fields from the **More items...** section.
6. **Preview your letters.**
7. **Complete merge.** You can either merge to a file or directly to a printer.

# Problem 13.1

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1. Grab the text file grades.txt from the CS130 Public folder on Turing
2. Create an Average column and calculate each student's average as a percent with no decimal places (e.g. 90). Use total points achieved divided by total points possible. **NOTE:** Don't just change the column to percentage with 0 decimal places. This won't work in the merge!!!
3. Create a Grade column that shows a student's grade (90-100A, 80-89B, 70-79C, 60-69D, 0-59F)

# Problem 13.1 Continued

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4. Create a Word document **StudentGrades.doc** that mail merges each student's grade into a mail merge document that can be printed and handed out to each student. The document is on the following slide.



# Problem 13.1 Continued

## Mail Merge the Data

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ID#: Student ID# (merge field)  
From: Your Name  
RE: Course Grades  
Date: January 21, 2011

Here are your course grades:

Quiz1: (merge field)  
Quiz2: (merge field)  
Quiz3: (merge field)  
Quiz4: (merge field)  
Exam1: (merge field)  
Exam2: (merge field)  
Final: (merge field)  
Average: (merge field)%  
Grade: (merge field)

# Problem 13.1 Continued

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- If your data is successfully merged, you should be able to look at each merged document.