Plan for WEFWOO

- **Review for exam, studying and practicing for exams and APTs in Compsci 101**
  - Why memorization doesn't help so much
  - Why familiarity does help
  - What's a flashcard for Compsci 101?
  - Bring writing utensils only, we provide reference

- **Algorithms, Python, Idioms, Practice**
  - How do you learn to speak a language?
  - How do you learn to use a computer language?
Writing functions with formulae

Writing functions with formulae


● Using extra variables: can be really smart
  ➢ Helps in making each line simple
  ➢ Easy to correct if you've made a mistake

● See triangleArea, what about other math symbols and formula?
  ➢ What do +, -, *, /, % do?
  ➢ What about math.sqrt or 5**0.5 or math.sin ...
Accumulating in a loop

- **If you are going to return a string**
  - Initialization, return value, how to "build it"

- **If you are going to return an int (counter)**
  - Initialization, return value, how to "build it"

- **If you are going to return a list**
  - Initialization, return value, how to "build it"
Counting 'a's in a string, 'fox' in a list?

- **What Python functions/methods help**
  - If you forget, how can you recreate yourself?
  - See exam Python reference sheet

- **How to write acronym function?**
  - Write/sketch and share solution
Basic File Processing

Basic File Processing

● **GroceryBagger.py, third question**
  - File processing: read as string, read line by line
  - Reading strings, how to `.strip()`, `.split()`, convert?

● **Being a good programming citizen**
  - Clean up after yourself with closing files
  - Remember that files are read as strings
  - How to convert to numbers?