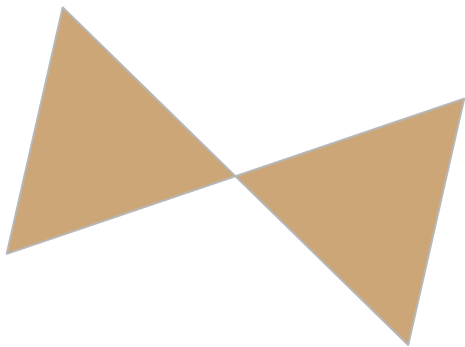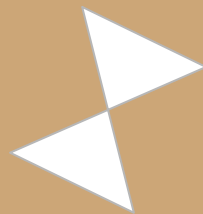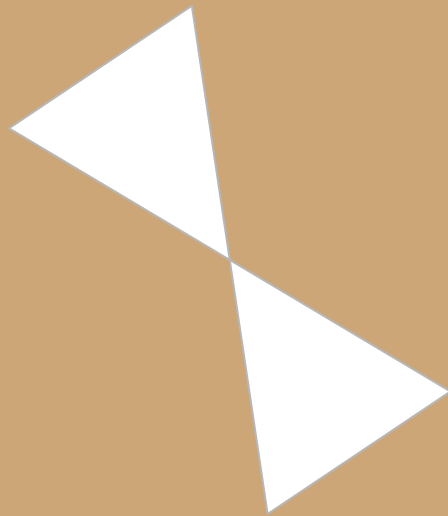# CMSC131 Lab

Sections 0108 or 0109
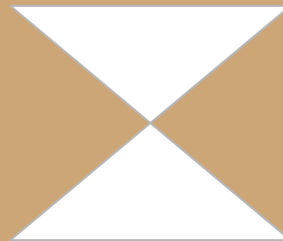
Tim Lin

tlin@cs.umd.edu

OH: Tue. 6-7pm

Program: Hourglass

1. Read a size from the console.
2. Print an hourglass to the screen.

```
Enter a size: 3
######
 ####
  ##
  ##
 ####
######
```

```
Enter a size: 5
##########
 ########
  ######
   ####
    ##
    ##
   ####
  ######
 ########
##########
```

Method 1: More Mathy

Figure out how many characters to print, given a row index.

```
#########
########
######
####
##
##
####
######
. . .
```

Method 2: More Variables

Keep track of changes in the number of character row-to-row.

```
#########
 #######
  #####
   ####
    ##
    ##
   ####
  #####
   ...
```

Office Hours