CS 170
Exam 2 Review Problems

Function practice problems:

1. Write a function named `trouble` which takes two boolean parameters and returns a boolean
   value. The input parameters represent whether Monkey1 and Monkey2 are smiling (in other
   words, each is true if the monkey they are associated with is smiling. We are in trouble if both
   monkeys are smiling or if neither monkey is smiling. Return true if we are in trouble.
2. Write a function named `puppyConversion` which takes an integer representing the number
   of puppies as a parameter. Each puppy is equivalent to 5.25 units of cuteness (it's true! look it
   up). You need to write a function which converts the number of puppies to the equivalent units
   of cuteness and returns that value.
3. Write a function named `averageElements` which takes an array of integers and an integer as
   parameters. The function should return the average of the first \( n \) elements (\( n \) is represented by
   the 2nd parameter to your function) of the array. Pay attention to your integer vs. double
   datatypes. The average should be as accurate as possible.
4. Write a function named `averageEvens` which takes an array of integers and an integers as
   parameters. The function should return the average of the first \( n \) even elements. If the array
   contains no even elements or fewer than \( n \) even elements, your function should return -1.

Array practice problems:

See lab 10 for some sample practice problems. Work them out on paper to get some exam practice before going to lab. Then use the lab time to check and refine your understanding.