

Homework 1: Functions

Date Due: 11:59pm, Wednesday 2015-02-04.

Problem 1: Do Problem 3.1 in Siau & Bayen

You may assume that `x` is a 1x1 double.

Problem 2: Do Problem 3.2 in Siau & Bayen

Please call it `myCheckerBoard` not `myCheckerboard`.

Problem 3: Do Problem 3.4 in Siau & Bayen

You may assume that `m` has at least two columns.

Problem 4: Do Problem 3.5 in Siau & Bayen

You may assume that `r` and `h` are 1x1 doubles.

Problem 5: Do Problem 3.7 in Siau & Bayen

You may assume that `m` and `n` are strictly positive integers.

Problem 6: Do Problem 3.8 in Siau & Bayen

Problem 7: Do Problem 3.12 in Siau & Bayen

Problem 8: Do Problem 3.13 in Siau & Bayen

Deliverables: Submit the following m-files (separately, not zipped) onto Blackboard. **Be sure that the functions are named *exactly* as specified, including spelling and case.**

`mySinh.m`
`myCheckerBoard.m`
`mySplitMatrix.m`
`myCylinder.m`
`myTwos.m`
`myAddString.m`
`myDonutArea.m`
`myWithinTolerance.m`