Solución de Problemas con Programación (TC-1017)

In-class activity 01 – First Steps

Name: _____

Student ID: _____   **Date**: 17 de febrero de 2019

1. Arithmetic I

Calculate the result of the following operations without using your calculator:

a) $\dfrac{8}{3} \div \dfrac{3}{4} =$

b) $11 - 2 =$

c) $2 - 6 + 1 \times 5 =$

d) $\dfrac{1}{4} \div \dfrac{8}{9} =$

e) $5 \times 7 + 10 \times 2 =$

f) $\dfrac{7}{4} + \dfrac{4}{3} =$

g) $\dfrac{3}{2} \times \dfrac{1}{2} =$

h) $8^2 + (2 + 8) \times 5 - 9 =$

i) $2 \div 6^2 + (7 - 8) \div 2 =$

j) $(9 + 4) \div 8^2 + 3 \times 8 =$

2. Arithmetic II

Now using MATLAB/Octave as a calculator, solve the following:

a) $\dfrac{782}{2123} \div \dfrac{919}{1333} =$

b) $32935872 - 9920175 =$

c) $\left(\dfrac{2}{7}\right)^7 =$

d) $12345 - 7675 \times 345 - 248 =$

e) $2\pi =$

f) $3e =$

g) $\sin 67 =$

h) $\sqrt{2} =$

3. Commands

Write a short description of each command listed. If you're not sure about any of these commands, try using them in the Command Window in MATLAB/Octave.

a) `help`

_____

b) `sqrt`

_____

c) `pi`

_____

d) `e`

_____

e) `format`

_____

f) `atan`

_____

g) `sprintf`

_____

h) `disp`

_____

In accordance with the Tecnológico de Monterrey Student Code of Honor, my performance in this activity will be guided by academic honesty.