Quiz #1

Do **only 2** of the following 3 questions:

Question 1: (10 points) Find the output of the following Fortran 90 program. Your answer should be the same as the one which will be displayed on the screen.

```
PROGRAM MyProgram

IMPLICIT NONE

REAL :: x

INTEGER :: n

CHARACTER(10) :: MyString, YourString*4, TheirString*7

x=4.0-5.0/2.0

n=4-5/2

TheirString="My " // "name"

MyString="University"

YourString=MyString(3:6)

PRINT *, "x= ", x

PRINT *, "n= ", n

PRINT *, "TheirString= ", TheirString

PRINT *, "YourString= ", YourString

END PROGRAM MyProgram
```

Question 2: (10 points) Decide whether the following are true or false:

(a) In fortran 90

$3.0 - 5/2$ is equal to 1.

(b) If n is a variable of type integer whose value is 7, then the value of n after the execution of the statement

$n = n * (n - 1)$

is equal to 42

(c) $m\&m$ is a valid varible name in Fortran 90.

(d) Suppose that x is a varible of type REAL, then the value of x after the execution of the statement

$x = 2.0 + \text{SQRT}(16.0) - (2.0) * *3$

is -2.0

Question 3: (10 points) Write a Fortran 90 program to do the following:

(a) It reads 2 real numbers from the screen.

(b) It calculates the sum of these two numbers.

(c) It displays the sum.