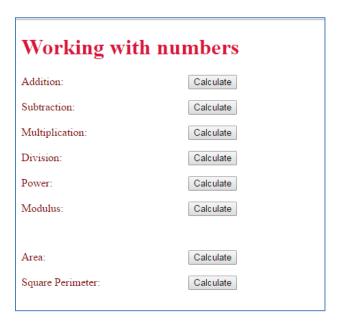
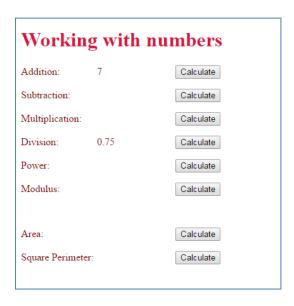
## Worksheet 6: Functions Practice

1. Create the following web page:



- a) Upon load, the page should ask the user for two different numbers
- b) Upon pressing on any of the buttons, the value calcualted should be displayed next to the correspoinding text:

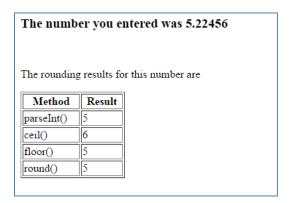


c) The result shown for the division should be rounded to two decimal places.

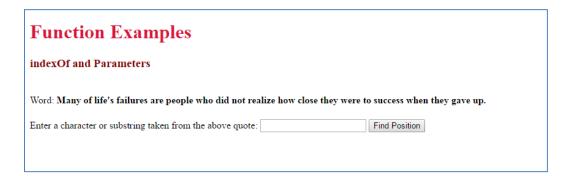
2. Create a web page which asks the user for a fractional number:

You are then required to first **research** and then use the following built-in methods to round the number. The result should be displayed in a table:

- a) parseInt()
- b) ceil()
- c) floor()
- d) round()

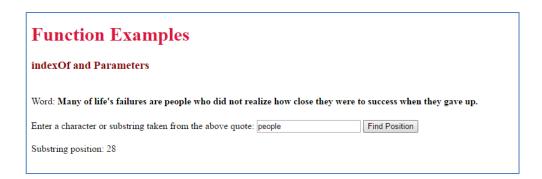


3. Create a web page which finds the position of a substring or character within another string:



- a) The full string should be saved in a variable and placed in the HTML document once the page loads.
- b) The user is required to enter either a character or a substring in the provided text box.
- c) Once the Find Position button is pressed a method is to be called
  - This method needs to extract the inserted value in the text box in order to pass it to **another method** which returns the position value

• The returned value, the position value, should be displayed in the document as follows:



- The **other method** needs to take the substring as input. Then use the *indexOf* built-in method to find the substring's position in the word and return it.
- 4. Edit the above web page to add information about the current date:

Function Examples	
indexOf and Parameters	
Word: Many of life's failures are people who did not realize how close they were to success when they gave up.	
Enter a character or substring taken from the above quote:	Find Position
Working with the Date object type	
Day: 20 Month: 2 Year: 2017 Time: (number of milliseconds since 1970/01/01) 1487579915053	
Date Format 1: 2/20/2017, 9:38:35 AM	
Date Format 2: 2/20/2017	
Time Format 1: 9:38:35 AM	
Time Format 2: 09:38	

Actual Local Time:

9:38 AM 2/20/2017 The code for the previous should be written inside the method which is called from the onload attribute.

**HINT:** For better code maintainability and readability, you should enclose the code in a separate function and then call that function from another function. (The same one which loads the string variable on the page.)