1.

If the length of the string is 0 or 1

return true

if the first and last characters are the same

recursive call for the original string minus the first and last characters

if the first character is not a letter

recursive call for the original string minus the first character

if the last character is not a letter

recursive call for the original string minus the last characters

if we get this far, then the string is not a palindrome. Return false

Running time: O(n)

2.

Create an array B that is half the length of array A

Set the first number in B equal to the sum of the first 2 numbers in A, the 2nd in B to the 3rd and 4th numbers in A, etc. until B is filled

Check the length of B

if the length of B is 1

return the item in array B

else

return recursiveCall(passing array B)

Running time: