Part 1:

Question 4 : b 5 Question 4: run Question 6:

	1st	2nd	3rd	4th
num	112	11	1	0
rev_num	5	52	521	5211

Question 8: foo reverses a given number. 1152 becomes 5211 at the end of the function.

Proof:

Part 2:

Error in lines 10, 12 and 20;

Line 10: while((character=getchar()) != '\n')

Line no variable named spaces, you need to say int spaces; before line 12

Line 20: the value that is divided needs to be stored in some way. This case, double seems the most appropriate

printf("Average word length : %.1f", (double)letters/words);

```
[hgunerli1@gsuad.gsu.edu@snowball lab8sys]$ cat -n q2.c
    1 #include <stdio.h>int main() {
    2
    3 int main(){
    4 int letters;
    5 int words;
    6 char character;
    8 printf("Enter a sentence: ");
                                                       I
   10 while(( character=getchar()) != \n){
   11 if (character != ' '){
   12 if(!space){
   13 words++;
   14 space=1;
   15
   16 letters++;
   17 }else
   18 space=0:
   19 }
   20 printf("average word length : %.1f", letters/words);
   21 return 0;
   22 }
[hgunerli1@gsuad.gsu.edu@snowball lab8sys]$
```