Physics 40: Quiz Five

Thursday, May 9, 2019

[1.] In the space provided, complete the code needed to add up the first 100 odd integers (using a loop).

```
#include <stdio.h>
#include <math.h>
int main(void)
{
int j,sum;
                                                    <
                                                    <
                                                    <
                                                    <
                                                    < YOUR CODE
                                                    <    HERE
                                                    <
                                                    <
                                                    <
printf("\n %10d",sum);
return 0;
}
```

[2.] Given a set of N numbers $R_1, R_2, R_3, \cdots R_N$, what is the definition of their first and second moments?

[3.] State the procedure for updating the potential to solve Laplace's equation numerically either in words, or with an equation.