1. Write an algorithm in pseudocode to find and print the sum \( \sum_{K=2}^{536} (2K + 5)^2 \)

2. Write an algorithm in pseudocode to find and print the sum \( \sum_{K=1}^{10} (K^2 - 6K + 5)/100 \)

3. Write an algorithm in pseudocode to find and print the sum \( \sum_{K=1}^{400} (4K - 2)^2 \)

4. Write an algorithm in pseudocode to find and print the sum \( \sum_{K=7}^{120} (3K - 4)^3 \)

5. Write in sigma notation \( 1^5 + 6^5 + 11^5 + \ldots + 76^5 \)

6. Write an algorithm in pseudocode that will find and print the sum \( 1^5 + 6^5 + 11^5 + \ldots + 76^5 \)

7. Write in sigma notation \( (3 + 5 + 7 + \ldots + 243)/84 \)

8. Write an algorithm in pseudocode to find and print the sum \( (3 + 5 + 7 + \ldots + 243)/84 \)
9. Write in sigma notation \((3 + 7 + 11 + \ldots + 51)^5\)

10. Write an algorithm in pseudocode to find and print the sum. 
\((3 + 7 + 11 + \ldots + 51)^5\)

11. Write an algorithm in pseudocode to find and print \(\sum_{k=1}^{5} [D(3,k)]^2\) where D is a 5 by 5 matrix. (For your first line write “Input 5 by 5 Matrix D”)

12. Write an algorithm in pseudocode to find and print \(\left[\sum_{k=1}^{5} D(k,4)\right]^2\) where D is a 5 by 5 matrix. (For your first line write “Input 5 by 5 Matrix D”)

13. Write an algorithm in pseudocode to find and print the mean of row 3 of matrix D where D is a 7 by 12 matrix. (For your first line write “Input 7 by 12 Matrix D”)

14. Write an algorithm in pseudocode to find and print the mean of column 4 of matrix D where D is a 7 by 12 matrix.

15. Write an algorithm in pseudocode to find and print the mean of row 25 of matrix D where D is a 60 by 70 matrix.

16. Write an algorithm in pseudocode to find and print the mean of column 64 of matrix D where D is a 90 by 130 matrix.