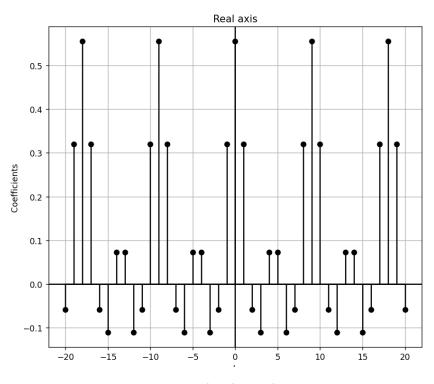
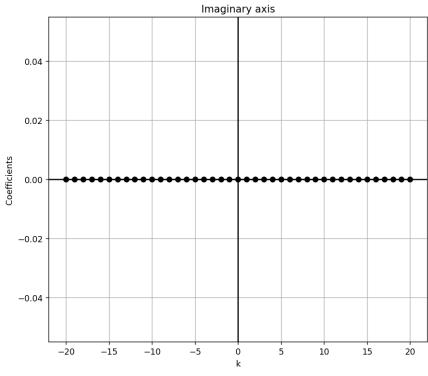
## **Assignment 3 - Coding Outputs**

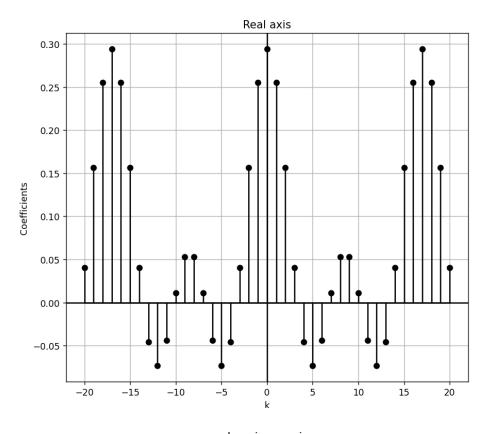
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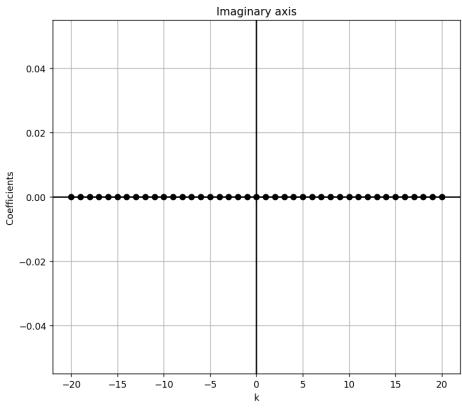
## **Answer 1**

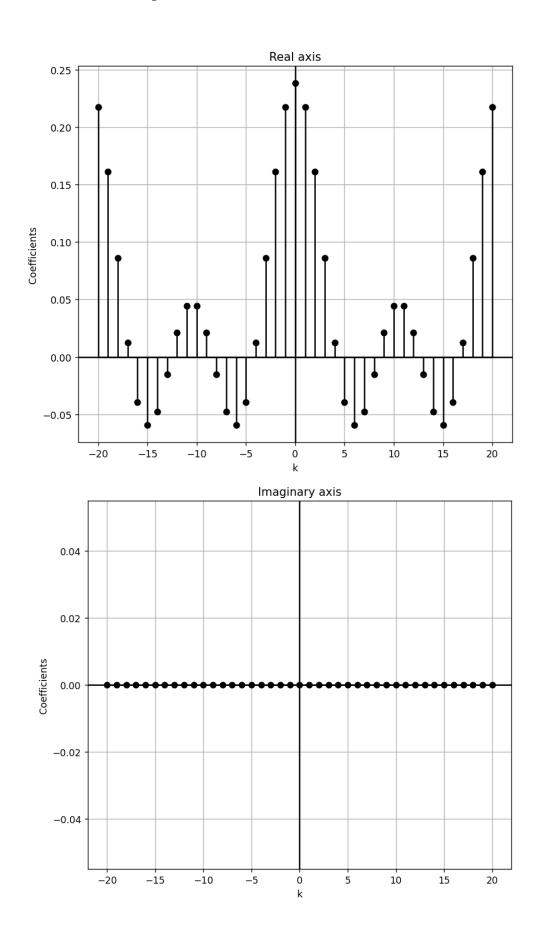
Case  $- I : N = 4N_1 + 1$ 



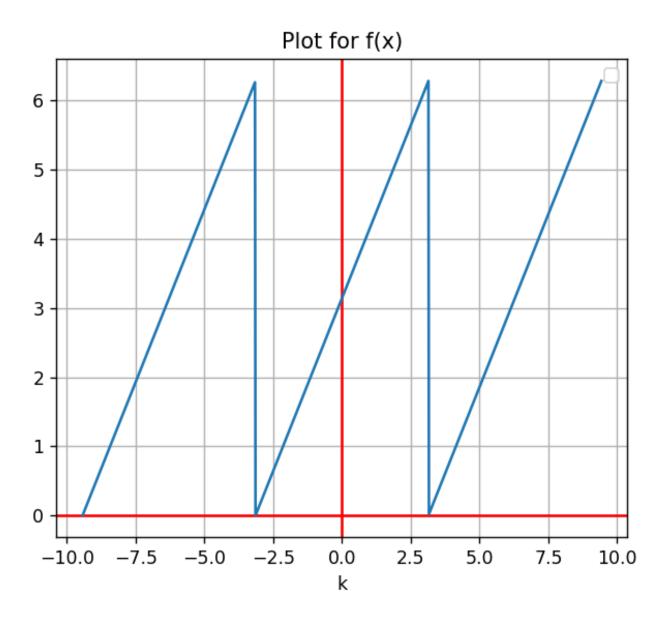








## **Answer 2**



The range for plotting f(x) is from  $-3\pi$  to  $3\pi$ , which is equal to 3 time periods.

The range for plotting the coefficients is from -10 to 10, which is an approximate discretization the same as the range of the plot for f(x)

(Rest of the calculations and assumptions are mentioned in the Report)

