|  |  |
| --- | --- |
| N = 64, Length = 16 | N=128, Length = 16 |
| Frequency interval between successive samples for the plot in part a is .  At w = 0, the value is 16  Interval between null samples is  The null sample interval is always | Frequency interval between successive samples for the plot in part a is  At w = 0, the value is 16  Interval between null samples is  The null sample interval is always |
| The one with greater N has a faster sampling rate than the smaller N, the one with higher N look closer to the continuous time signal. | |

|  |  |
| --- | --- |
| N = 64, Length = 8 | N = 64, Length = 64 |
| Frequency interval between successive samples for the plot in part a is  At w = 0, the value is 8  Interval between null samples is  The null sample interval is always | Frequency interval between successive samples for the plot in part a is  At w = 0, the value is  Interval between null samples is  The null sample interval is always |
|  | |