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Math 362 Fourier Analysis

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Ch. 2.2 HW

2.2.5



e.)

|  |  |
| --- | --- |
| Input | Output |
| >> sinecosineplot(5,2\*pi\*3/4,4) |  |

f.)

The period of f and g is and the frequency of f and g is . This means that the graphs complete of a cycle on the interval [0,1]. On the contrary, one full cycle is completed over the time interval [0,]. In essence, this means that three cycles are completed over four time units. 3 cycles for [0,4].

2.2.14

|  |  |
| --- | --- |
| Input | Output |
| >> sinechordplot(293.7,349.2,440,0.05) |  |