

PROBLEM:

For the *aliased sinc* function:

$$\text{asinc}(\omega, 7) = \frac{\sin(3.5\omega)}{\sin(\frac{1}{2}\omega)}$$

- Make a plot of $\text{asinc}(\omega, 7)$ over the range $-3\pi \leq \omega \leq +3\pi$.
- Determine the period of $\text{asinc}(\omega, 7)$.
- Find the maximum value of the function.

NOTE: the *aliased sinc* function is defined via: $\text{asinc}(\omega, L) = \frac{\sin(L\omega/2)}{\sin(\frac{1}{2}\omega)}$