

Questions or Review Issues for Week 3

1. For a block of signal samples $x(n)=[1, 2, 3, 4]$ and $h(n)=[1, 1, 1, 1]$:
 - a. Calculate the linear convolution $y(n)=x(n)*h(n)$ by definition;
 - b. Describe how to calculate the above linear convolution using frequency domain multiplication based on DFTs. What is the length of DFT to be used? Why?
2. Describe overlap-save and overlap-add methods for convolutions of long sequences.