

1. What kind of symmetry, if any, does the following signal have? The  $n=0$  index is bolded and the sequence is zero outside the area shown.

$$x[n] = [ \textbf{8} \quad 2+j \quad -7 \quad 2-j ]$$

2. In the sequence  $x[n]$  given in problem 1, find (using the correct  $N$  for the sequence):

a.  $x[\langle 3 \rangle_N]$

b.  $x[\langle 7 \rangle_N]$

c.  $x^*[\langle -1 \rangle_N]$