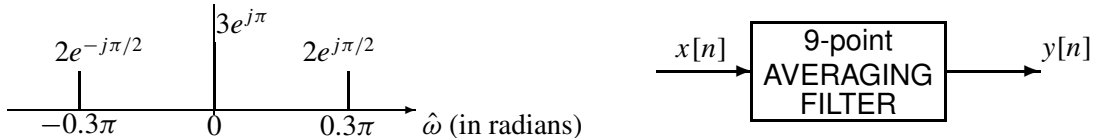


PROBLEM:

A discrete-time signal $x[n]$ has the two-sided spectrum representation shown below.



- Write an equation for $x[n]$. Make sure to express $x[n]$ as a real-valued signal.
- Determine the formula for the output signal $y[n]$.