



HW Problems

3. Find the Discrete Fourier Transform of the following signals:

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3.a
$$x(n) = \delta(n-1), n = 0, 1, ..., N-1$$

- 3.b $x(n) = a^n, n = 0, 1, ..., N 1$
- 3.c $x(n) = \sin(2\pi f_0 n)$, n = 0, 1, ..., N 1

