

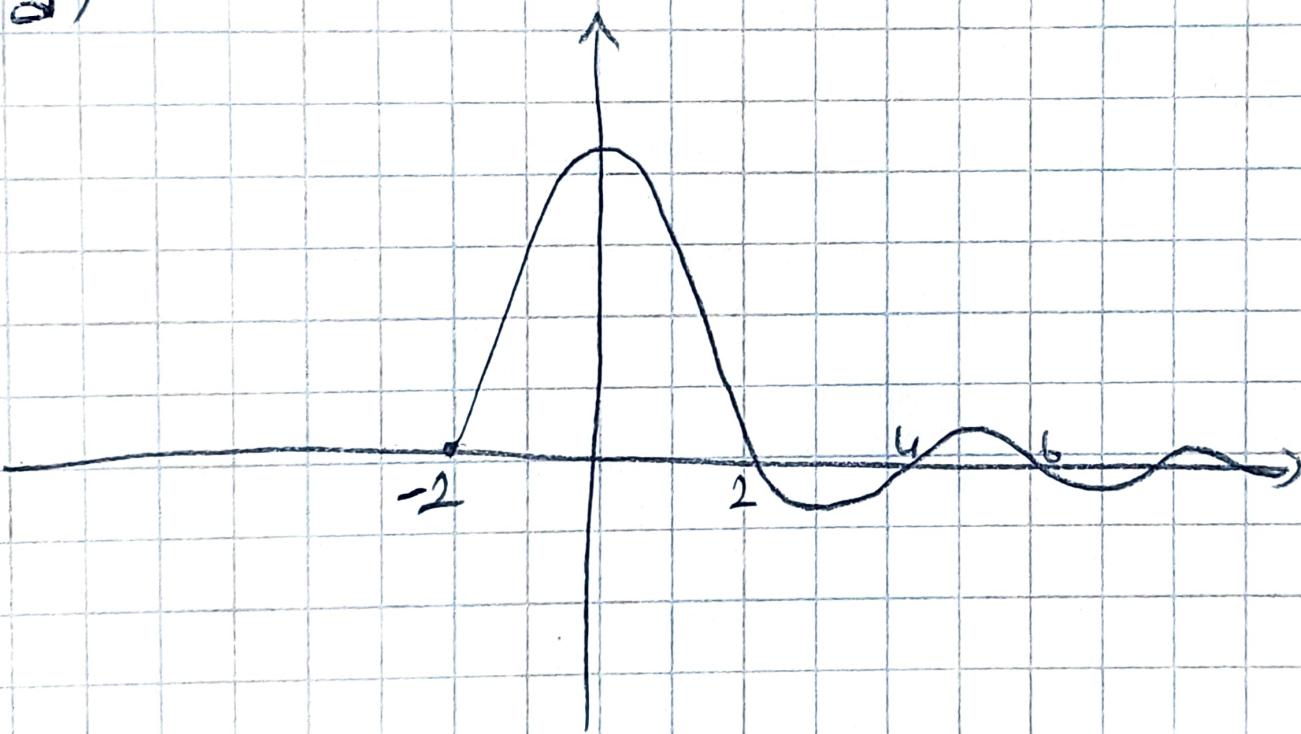
Question 1

a) $T_0 = \frac{1}{10}$ $\omega_0 = 20\pi$ $f_0 = 10 \text{ Hz}$

b) $P = T \sum_{i=1}^T x^2(t) = 10 \cdot [3^2 \cdot 10] = 900$

Question 2

a)



Question 2

b)

i) for $t = 0 \rightarrow h(t) = 0$ causal ✓

ii) $\int_{-\infty}^t h(t) dt \leq 0$ ✓ stable

iii) memoryless \rightarrow it does not depend on previous values

Ses ERSO1
06.02.2014, 34

Bla