1. Draw the correct frequency spectrum of attached signals.

sinus.eps spectrum.eps

konst.eps spectrum.eps

1. Assign the corresponding frequency spectrum for each signal in time domain.

|  |  |  |  |
| --- | --- | --- | --- |
| a) | sign1.eps | **1)** | spekrum2.eps |
| b) | sign2.eps | **2)** | spekrum4.eps |
| c) | sign3.eps | **3)** | spekrum5.eps |
| d) | sign4.eps | **4)** | spekrum3.eps |
| e) | sign5.eps | **5)** | spekrum1.eps |

1. Fill the next image with key operations used for the analog signal processing and describe relevant axis. Further complete the table in relation to the shown signal.

vzor_kvan_kod.eps

1. Determine the correct sequence of operations (1 – first, 2 – second, 3 – last).

\_\_\_\_ quantization

\_\_\_\_ coding

\_\_\_\_ sampling