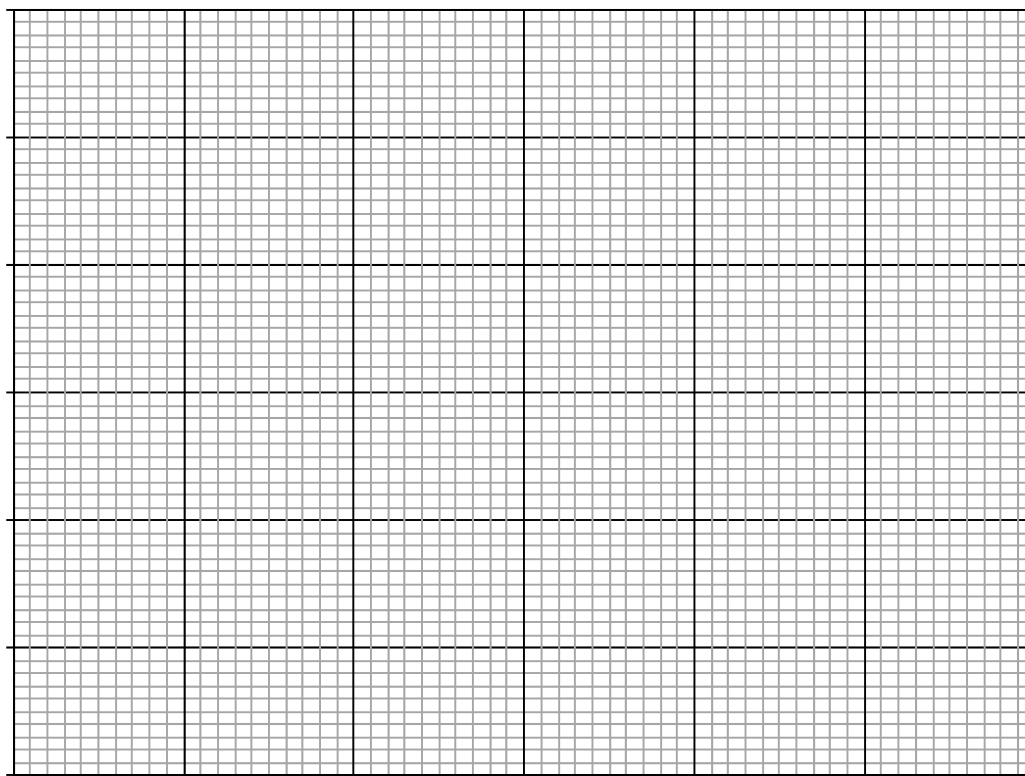
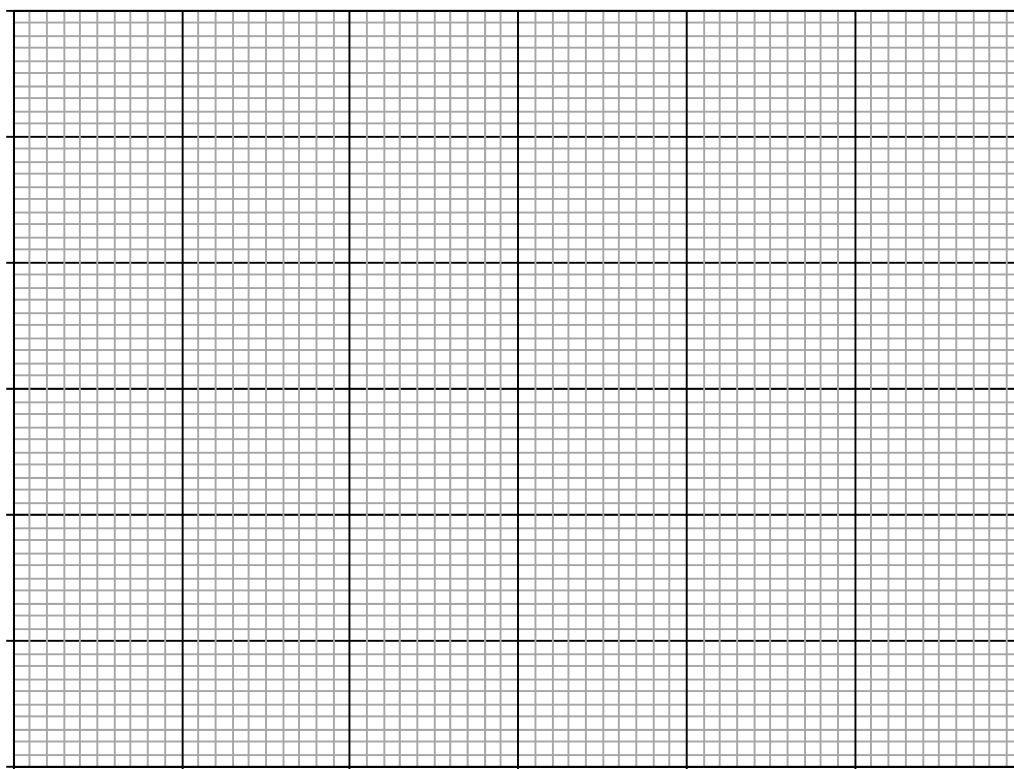


VAJA 26: Meritev razmerja signal/šum pri AM in FM

vhod		izhod pri AM			izhod pri FM		
$(S/N)_{vh}$ na zaslonu [dB]	$(S/N)_{vh}$ dejanski [dB]	U_N [mV]	U_{N+S} [V]	$(S/N)_{izh}$ [dB]	U_N [mV]	U_{N+S} [V]	$(S/N)_{izh}$ [dB]
50							
47							
44							
41							
38							
35							
32							
29							
26							
23							
20							
17							
14							
11							
10							
9							
8							
7							
6							
5							
4							
3							
2							

$$(S/N)_{dejanski} [\text{dB}] = (S/N)_{na\ zaslону} [\text{dB}] - 2,51\text{dB} - 10 \cdot \log \left(\frac{200\text{kHz}}{B_{IF}} \right)$$

$$(S/N)_{iz} [\text{dB}] = 10 \cdot \log \left(\frac{U_{N+S}^2 - U_N^2}{U_N^2} \right)$$

Amplitudna modulacija (AM)izhodni S/N [dB]vhodni S/N [dB]**Frekvenčna modulacija (FM)**izhodni S/N [dB]vhodni S/N [dB]