

Selected Answers to Graded Problems in HW #4

Remember to explain all answers in your solutions. You will not receive credit for merely repeating an answer given here. If an answer is not given below, it is either because the solution is trivial or because disclosure of the answer would reveal too much of the solution to the problem.

If you suspect that an answer below is incorrect, please let me know as soon as possible.

1. $n = 10$, SQNR = 48 dB
2. $n = 6$, $L = 64$
3. a. SQNR = 98 dB
 b. $R_b = 2.82$ Mbps
 c. Bits stored = 1.3 Gbytes
4. a. $f_o = 123$ kHz
 b. $f_o = 100$ to 199 kHz; $\Delta f_o = 1.0$ kHz