Reading  Madhow: Section 3.4 through 3.6.

Problems

1. Madhow: Problem 3.12
   Note, the notation used in part (a) is not very obvious. \( R \) is the radius of the 8-PSK constellation. \( d_{\text{min}}^{(1)} \) is the distance between nearest neighbors in the constellation labeled QAM1. \( d_{\text{min}}^{(2)} \) is the distance between nearest neighbors in the constellation labeled QAM2.


3. Madhow: Problem 3.16

4. Madhow: Problem 3.17