

ECE 612: Information Theory  
University of Waterloo

**Homework No. 1:**

Do problems 2.3, 2.4, 2.6, 2.10a, 2.11, 2.14, 2.15, 2.17, 2.22, 2.27, 2.28, 2.29, 2.31, 2.34, 2.39, 2.40, 2.41 and 2.41 from the textbook (2nd edition).

**Homework No. 2:**

Do problems 3.2, 3.3, 3.4abcd, 3.5ab, 3.6, 3.8, 3.9ab, 3.10 from the textbook.

**Homework No. 3:**

Do problems 4.2, 4.3, 4.6, 4.9, 4.10, 4.11, 4.12ab, 4.13, 4.15, 4.23, 4.24 from the textbook.

**Homework No. 4:**

Do problems 5.1, 5.2, 5.3, 5.4abe, 5.6abc, 5.9, 5.11, 5.18abc, 5.22 from the textbook.

**Homework No. 5:**

Do problems 7.1, 7.2, 7.3, 7.4a, 7.5, 7.8, 7.11, 7.20, 7.25, 7.31, 7.34ab from the textbook.

**Homework No. 6:** Do problems 8.1, 8.2, 8.3a