Quiz 1

Your TA will choose 2 questions from the following questions for Q1:

- Every question of Tutorial 1

- Every question of Tutorial 2

- Sec1.1: #7(c)

- Sec1.2 :#2(b)

- Sec1.3:#3

- Sec1.4:#8

- Sec1.6: #2(d)

- Sec 2.1:#5(a), 11 (change the question to: find $T(2,3)$.

- The set $\alpha = \{5x + 7, 2x - 1\}$ is a basis for $P_1(\mathbf{R})$. Suppose $[p(x)]_\alpha = (-1, 5)$. Find $p(x)$.

  Note: $[\mathbf{x}]_\alpha$ is the notation for the coordinates of the vector $\mathbf{x}$ with respect to the basis α.