Homework week 13

1. Lesson 29. Exercises 29.2, 29.4, 29.8;
2. Lesson 30. Exercise 30.1;

Consider the vectors $e_1 = (0, 1)$, $e_2 = (1, 0)$, $e_3 = (-1, -1)$ in $\mathbb{R}^2$. Prove that they form a frame in $\mathbb{R}^2$. Find the frame operator, canonical dual frame, and also the frame constants for this system.