Reading
Section 4.7 up to page 244

Suggested Problems
Section 4.7: Exercise 1 a), c), e), 2 a), c),d), 2 a), 4 a), 5 c), 8.

Problem 1 Given an n-dimensional vector space \( \mathcal{V} \) and an ordered basis \( B \), how the following equalities in \( \mathbb{R}^n \)

1. \( [\vec{0}]_B = 0 \),

2. For every \( \vec{v} \in \mathcal{V} \), \( [-\vec{v}]_B = -[\vec{v}]_B \).