HW 1

Problem 1 Let V be a real vector space and $\mathbf{0}$ be the additive identity of V. Show that for any $\mathbf{x} \in V$,

(a) $0\mathbf{x} = \mathbf{0}$
(b) $(-1)\mathbf{x} = -\mathbf{x}$

Problem 2 Sec 1.2 Exercise #3 (f), (h), (i), (j)

Problem 3 Sec 1.3 Exercise #9 (c) (d)