

S.129/3

0 ist nicht Element der Menge der Polynome von genau zweitem Grad.

S.130/7

a) $(2-2) \cdot (1 \mid 1) = 0 \cdot (1 \mid 1) = (0 \mid 1)$
 $(2-2) \cdot (1 \mid 1) = 2 \cdot (1 \mid 1) - 2 \cdot (1 \mid 1) = (2 \mid 1) - (2 \mid 1) = (0 \mid 0)$, Widerspruch

b) $(1 \mid 1) + (0 \mid 0) = (1 \mid 1)$, $(0 \mid 0) + (1 \mid 1) = (0 \mid 0)$, Widerspruch

c) $(1+1) \cdot (1 \mid 1) = (1 \mid 1) + (1 \mid 1) = (2 \mid 2)$
 $(1+1) \cdot (1 \mid 1) = 2 \cdot (1 \mid 1) = (4 \mid 4)$, Widerspruch