

$$3a) i) 129_{10} = 1000\ 0001$$

$$ii) 3_{10} = 0000\ 0011$$

$$-3_{10} = 1000\ 0011$$

$$iii) 3_{10} = 0000\ 0011$$

$$-3_{10} = 1111\ 1100$$

$$iv) 3_{10} = 0000\ 0011$$

$$-3_{10} = 1111\ 1101$$

$$v) -(2^{n-1}-1) \leq z \leq 2^{n-1}-1$$

für 8-Bit  $-127 \leq z \leq 127$

$$b) -7_{10} + 9_{10} = 2_{10}$$

$$-5_{10} - 3_{10} = -8_{10}$$

$$-6_{10} - 3_{10} = -9_{10}$$

