

1. (a)

| dezimal | dual | 8 Bit-Zweierkomplement |
|---------|----------------|------------------------|
| 53 | $(110101)_2$ | 11001011 |
| -13 | $(-1101)_2$ | 11110011 |
| -86 | $(-1010110)_2$ | 10101010 |
| 85 | $(1010101)_2$ | 01010101 |

- (b) $51 - 26 = 51 + (-26) = 00110011 + 11100110 = (1)00011001 = 25$
 $67 - 92 = 67 + (-92) = 01000011 + 10100100 = (0)11100111 = -25$