- 1 a) 00100111
 - b) 00111011
 - c) 1000000000
 - d) 00111111
 - e) 100000000
- 2 a) 13
 - b) 27
 - c) 11
 - d) 36
 - e) 15
- 3 a) A
 - b) 10
 - c) 18
 - d) 27
 - e) A3
- 4 a) 15
 - b) 21
 - c) 165
 - d) 78
 - e) 255
- 5 a) B7
 - b) 9C
 - c) C
 - d) 26
 - e) 37
- 6 a) 11111001
 - b) 00011010
 - c) 11011000
 - d) 00001011
 - e) 00001000

10110

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Another way of doing these calculations is to negate the number being subtracted, and then add it to the first number. This means that the processor doesn't need to have any subtraction circuits built into the Arithmetic unit.

- 9 a) 38
 - b) -7
 - c) -19
 - d) 85
 - e) -112
- 10 a) 15
 - b) -116
 - c) -52
 - d) -93
 - e) –16
- 11 a) 00000101
 - b) 10000101
 - c) 11111111
 - d) 11000011
 - e) 10000000
- 12 a) 00001010
 - b) 11110110
 - c) 01111111
 - d) 10000001
 - e) 10000000