

Name:
cs30x____
Score:

Quiz 1
CSE 30
Summer 2000

#1. Show the representation of -136_{10} in the following representation schemes (assume 12-bit words):

- a) sign magnitude

- b) one's-complement

- c) two's complement

#2. Convert 129_{10} into (assume 12-bit words):

- a) binary

- b) octal

- c) hexadecimal

#3. Fill in the CCR bits for the following addition instructions (8-bit two's-complement numbers):

$$\begin{array}{r} 10110001 \\ + 11011110 \\ \hline \end{array}$$

$$\begin{array}{r} 01010110 \\ + 01100001 \\ \hline \end{array}$$

| N | Z | V | C |
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| N | Z | V | C |
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