

QUIZ #1

*** NOTE ***

ALL WORK MUST BE SHOWN OR NO CREDIT

Make the following conversions

1) 360 DECIMAL to HEXADECIMAL?

2) FB1 HEXADECIMAL to DECIMAL?

3) 733 DECIMAL to BINARY?

Perform the following operations. Give the HEXADECIMAL answer.
Indicate the value of the CARRY FLAG and the OVERFLOW FLAG. Give
the answer the computer would give whether or not it is right.
(Assume a 16 bit register size)

4) FBE3 hex
+B298 hex

5) BE1E hex
-E9A0 hex

CF =
OF =

CF =
OF =

Multiply, giving a
HEXADECIMAL answer

Divide, giving a BINARY
quotient & remainder
(show all work in BINARY)

6) F0 hex
*AF hex

7) _____
0111 0110 1001

Give the following interpretations of the 16 bit pattern:
1010 1001 1010 0101

8) The HEXADECIMAL value?

9) The DECIMAL value?
(Assuming the above is in an unsigned integer)

10) The DECIMAL value?
(Assuming the above pattern is in TWO's COMPLEMENT format)