Homework 1

Questions 1 to 3 are in Java files

4. (199 + 12)

0001 1001 1001 +

0000 0001 0010 add like normal binary

0001 1010 1011 +

0110 plus 6 because is bigger than 9

0001 1011 0001 +

0110 plus 6 because is bigger than 9

0010 0001 0001

5. (4 -12)

Decimal Binary 1st 2nd

4 0000 0100 0000 1011 0000 0100

-12 0000 1100 1111 0011 0000 1100 using -12 instead of 12 (easier to add)

0000 0100 + adding 2nd complements

1111 0100

1111 1000