10. a) 86it float
Los bit exponent 111
Loubit mantissa 1111
5
O.l in binary fixed Point
Normalizat - 1.0 x 2
Mantissa = 0000 Convert exponent Using excess-3
-1+3=2-010
sign
00100000=0.5
b) illololo
6 6
3 × 1.1010= 1101.0
: III01010 = -13
a) Whats the smallest positive number = 00010000
Large negative exponent
Ly small mantissa
6000 (only implied 1 stays)
smallest number is 0.25
Assuming 0 is not considered Positive 0.01 =0.25

b) What is the smallest number? 101064168 N.ETWI

Lo The largest negative number

Lo Largest exponent - 110

Largest mantissa - 1111

implicity: 1.1111x 23 = 11111

15.5

-15.5 Since negative bit