



BIRZEIT UNIVERSITY
Electrical and Computer Engineering
QUIZ #2

ENCS238 (Computer Organization)

Spring Semester 2017

Name:

ID:

A 16-bit memory location contains $(FFE0)_{16}$. Find the value of this if it represents:

1) Two's complement signed integer [2pts]

2) Sign magnitude signed integer [2pts]

3) Un-signed integer [2pts]

4) 16-bit floating-point number represented as follow: [4pts]

1 bit Sign bit	6 bits exponent	9 bits significant
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