

## ELEC 428 Test 1 Review

Practice Questions:

4.6 (a)

4.12 (a,b)

5.18 (a)

6.5 (d)

8.2

Perform the following signed addition using 8-bit, 2's complement, fixed-point numbers. Verify your answer in base 10.

$$4.C_H + E.8_H = \text{_____}_H$$

Perform the following unsigned multiplication using 8-bit, floating-point numbers (4-bit fraction, 4-bit exponent). Verify your answer in base 10.

$$(1.010 \times 2^{0100}) \times (1.101 \times 2^{0010}) = \text{_____}$$