

Hayden Fuller
Homework 1
ECSE 2610-01 COCO

- 1) To decimal
 - a) $(11011)_2$ 27
 - b) $(2013)_4$ 135
 - c) $(320)_5$ 85
 - d) $(10101)_{11}$ 14763
 - e) $(4FDC)_{16}$ 20444
- 2) $(57)_{10}$ into:
 - a) Base2 111001
 - b) Base3 2010
 - c) Base8 71
 - d) Base9 63
 - e) Base16 39
- 3) To decimal
 - a) $(110.11)_2$ 6.75
 - b) $(20.13)_4$ 8.4375
 - c) $(3.20)_5$ 3.4
 - d) $(10.101)_{11}$ 11.09166
 - e) $(4F.DC)_{16}$ 79.859375
- 4) $(57.26)_{10}$ into:
 - a) Base2 111001.0100
 - b) Base3 2010.0210
 - c) Base8 71.2050
 - d) Base9 63.2304
 - e) Base16 39.428F
- 5) Convert $(64)_7$ to 8-digit Base 3
 - a) 00001201
- 6) Convert $(3102123)_4$ to 9-digit Base 8
 - a) 000032233
- 7) Convert $(A0CE)_{16}$ to Octal
 - a) 120316
- 8) Convert $(11111010110011101011000000001100)_2$ to Hexadecimal
 - a) FACEB00C