

 $-0.375_{10} = ?$ a. integral part is 0.375 × 2 = 075 0 0.75 × Z = 1.5 0.5 × 2 = 1 0.375,0 = 0.0112 normalize 0.011z = 1.1 x 2-2 exponent is -2 + 127 = 125 = 0/11/10/2 sign bit is 1 = BEC 00006 16 C (e) "Strive for 250!" : 83 1/60 114 105 110 103 32 102 111 (14 32 50 53 48 33 6 53 74 72 69 6E 67 20 66 6F 72 20 32 35 30 (f) any # higher then 232-1 i.e. 4, 294, 967, 297 = (2371) a 32-bit computer can't store a number that can't be represented by only 232-1 bits. 2 (a) a. stack b. Lang c. heap d. stack e. goods (b) main() returns 0 23 Unoptomized Optomized Por both the real 1.2195 0.3545 real and used times. the optomized Usic 1.195s 0.3725 code hos over 0.0075 875 0.0093 3x fester than the 8.5 times morpho whiled gook and User pp tomized speeds is the sys speed was E forter!