

Assignment 1 Part 3 (posted 02/09/2022, **DUE** as assigned on Canvas)

Score (by grader):

(Don't have to type but must be legible - **no credits for any parts I have difficulty reading/understanding.**)

- 8 (7 points) First represent unsigned decimal real number **81.4140625** in binary, then re-write the binary result more compactly in hex.

Fill in the blanks: **81.4140625** (dec) = (bin) = (hex)

CAUTION: Be sure to *clearly show working* to not risk incurring penalty.

- 9 (8 points) Represent the decimal value **-321.45** in IEEE 754-1985 **double** precision. Show your final answer in *hex*.

CAUTION: Be sure to *clearly show working* to not risk incurring penalty.

10 (6 points) Determine the decimal value that gives **425AD000** in hex when represented in IEEE 754-1985 *single* precision.

CAUTION: Be sure to *clearly show working* to not risk incurring penalty.

(More writing space where needed - if used, be sure to clearly indicate which part is for which question.)