Hybrid 2. Bit field representation of Floating point Numbers

1. Find the big-endian hexadecimal representation of the fields in memory that represent the following base 10 float numbers: -0.75, 2.25, 256.25, -0.0625.

[Answers: -0.75 = $BF400000_{16}$, 2.25 = 4010000_{16}, 256.25 = 43802000_{16}, -0.0625 = $BD800000_{16}$]

2. Find the base 10 float numbers that are represented by the following hex fields in memory: C0A80000, 410A0000, 44802000, 3EC00000.

[Answers: $C0A80000_{16}$ = -5.25_{10}, $410A0000_{16}$ = 8.625_{10}, 44802000_{16} = 1025_{10}, $3EC00000_{16}$ = 0.375_{10}]