

Submit this sheet with all calculations and all supporting work.

Given the following segment:offset addresses, find the physical address.

- (a) 02C1:074F
- (b) 15C5:4CCF

Given the following physical addresses and offset values, calculate the segment value. Check your work with the steps from question 1.

- (a) Physical Address C4AD6, Offset 8AB6
- (b) Physical Address 1B0DC, Offset 007C

Given the following physical addresses and segment values, calculate the offset value. Check your work with the steps from question 1.

- (a) Physical Address AACDF, Segment 6328
- (b) Physical Address 3282D, Segment 13A7

Convert the following decimal reals to IEEE Single Precision binary.

- (a) -9.8
- (b) 12.32

Convert the following IEEE Single Precision binary numbers to decimal real values.

- (a) 1 01111100 1000 0001 1000 1011 1011 100
- (b) 0 10001100 0000 1011 1011 1011 1011 101