

COMPSCI 210

Exercise 03

Question 1: Addition

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11110110 (-10)
+11110111 (-9)
11111101 (-19)
```

Question 2:

Perform the following binary subtractions by adding the 2's complement of the subtrahend.

Question 3:

Perform the following binary addition and indicate the result is valid/invalid.

Exercise	Exercise	Exercise	Exercise
0111	1001	1100	1001
+ 0101	+ 1100	+ 0111	+ 0011
1110 carries	10000 carries	11000 carries	0110 carries
1100 invalid	10101 invalid	10011 = 0011 valid	1100 valid