CS 240 Integer Arithmancy Name:

1. Minima and Maxima

a.	b.
c.	d.

Scratch Work:

2. Two's complement conversions

From base ten to 8-bit two's complement	From 16-bit two-complement to base ten.
107_{10} =	0x5F8C =
-107_{10} =	0xCAFE =

Scratch Work:

3. Unsigned arithmetic.

```
  00101101        11111111        00000000
+ 01101111      + 11111111      - 11111111
----------      ----------      ----------
```

Sum_2 =

Sum_{10} =

Overflow?

4. Two's complement arithmetic.

```
  00101101        11111111        00000000
+ 01101111      + 11111111      - 11111111
----------      ----------      ----------
```

Sum_2 =

Sum_{10} =

Overflow?