

## Chapter 1 Homework

1.  $827_{10} = 8 * 10^2 + 2 * 10^1 + 7 * 10^0$
2.  $223_{10} = 1 * 2^7 + 1 * 2^6 + 0 * 2^5 + 1 * 2^4 + 1 * 2^3 + 1 * 2^2 + 1 * 2^1$
3. 8 bits.
4.  $11011111_2$
5.  $237_{10}$
6.  $-19_{10}$
7. 0x3FB
8. 0xF752
9.  $4011_{10}$
10.  $170_{10}$
11.  $1100101011111110_2$
12. 0x4542
13. I will resubmit this once I get logisim working on my machine.
- 14.
- 15.