

Assignment Four: More on operations in bases other than 10

Due: 8:25am Thursday, October 6, 2016

50 points

1. The numbers below are in base 8. Perform the operation in binary.

$$331.57_8 + 2.06_8 \quad (14.53_8 - 5.756_8) + (10.06_8 - 7.07_8) \quad (16.61_8 + 5.1766_8)$$

2. The numbers below are in different bases. Find the result in binary.

$$2331_4 + 2f06_{16} \quad (100111010110_2 - 30724_8) + (1006_8 - 134033_4) \quad (16c6e_{16} + 1948_{10})$$

Submit a report that shows the conversions with the proper explanation and the final result of each operation. Make sure to put explanations for what you are doing and follow the submission guidelines.