

Homework #1

1. Convert the decimal number 657_{10} to the following bases:

a. _____₁₆

b. _____₁₃

c. _____₈

d. _____₁₁

2. Perform the following conversions:

a. 656_7 to _____₁₀ to _____₅

to _____₉

3. Convert the hexadecimal number $7B9F_{16}$ to the following bases:

a. _____₈

b. _____₁₃

c. _____₁₁

d. _____₁₀

4. Perform the following computations:

a. $56_7 + 34_7 =$ _____₇

a. $56_{11} + 34_{11} =$ _____₁₁

a. $43_5 + 34_5 = \underline{\hspace{2cm}}_5$

a. $86_9 + 37_9 = \underline{\hspace{2cm}}_9$