1)

$$\text{Gary:} \quad \underset{8}{\underline{1100}} \quad \underset{14}{\underline{1001}}$$
$$\text{Bin:} \quad 1000 \quad 1110$$

$$\Rightarrow (11001001)_{Gay} \equiv (10001110)_2$$

+4

2)

$$\text{Dec:} \quad \underset{12}{\underline{1100}} \quad \underset{9}{\underline{1001}}$$
$$\text{Gary:} \quad 1010 \quad 1101$$

$$\Rightarrow (11001001)_2 \equiv (10101101)_{Gray}$$

+4

3)

$$(\underline{0010} \quad \underline{0111} \quad \underline{0111} \quad \underline{0000} \quad \underline{0110} \,.\, \underline{0010} \quad \underline{1001} \quad \underline{0011} \quad \underline{100\,0})_2$$

+7

$$27706.2938$$