Question 1

 $\frac{1-10011011_2}{10001011_2} = \frac{2^2}{2^6} \frac{2^6}{2^6} \frac{2^6}{2^6$ 2. 456, = 6.7° + 5.7' + 4.7° . 6+35+196 = 237 3 38A = A. 16 + 8.16 + 3.16 = 10 + 178 + 768 = 400 906 4 22145 = 4.50 + 1.5' + 2.5' + 2.5' + 2.5' : 4+5+50+750 = 309 B 1. 6910 = 64 + 32 + 12 + 1 + 1 = 1000101 2. 485 = 256 128 64 32 15 × 421 = 111100101 3. 601A1c = A.16" + V.16" + C-16" + 10 + 16 + 3378 + 74536 0110 1101 0001 1010 1. 1101011 = (611)16 815 = 55.9375 ×16 = 15 16 = 3.4169375 : 桐 37F 2. 895 10 = 895 - 55, 15 3 (7 0 , 3

1. 7566 x 4515 x + 1483045 = 14303

$$300101101 = 1+4+8+32 = 45$$

$$41001110 = \frac{1160010}{1000000} \rightarrow 1100010 \rightarrow 2+32+64 = -98$$

1. you get on A in this class, but you do not do ever nomework assistant (A 7 9 2. you get on A on the final, you do every homework assissment, and get on Ain this class. PAGAC get on A in this class, it is necessary for you to get or A on the final Por you get on A on the fixal, but you don't do every honework assignment; neverteless you get on A in the class PATBAC Getting on A on the final and doing ever nomework is sufficient 5 for getting on A is this class You will get on A in this class if and only if you either do every nonework or you get an A on the final r (q vp)

Question 5

Looking at this table we see that $(P \rightarrow q) \wedge (P \rightarrow r)$ gets the same values as $P \rightarrow (B \wedge r)$ for all assigned values of P, B, and r