





6. p q r pvr p→q r→q → 011

T	T	T	T	T	F	
T	T	F	T	T	F	
T	F	T	T	T	T	
T	F	F	T	T	F	
F	T	T	T	T	T	
F	T	F	T	T	F	
F	F	T	T	T	T	
F	F	F	T	T	F	

5. -47 - 77 =

7. 전체 = 187 + 13 = 200

175 - 140 = 35

100 - 38 = 62

~~200 - 94 = 106~~

95 - 62 = 33

8. 2 | 178

2 | 89 0  
2 | 44 1  
2 | 22 0  
2 | 11 0  
2 | 5 1  
2 | 2 1  
2 | 1 0

= 10010010

10110010

10010

2 | 42  
2 | 23 1  
2 | 11 1  
2 | 5 1  
2 | 2 1  
1 0

2 | 11

2 | 33 1  
2 | 16 1  
2 | 8 0  
2 | 4 0  
2 | 2 0  
1 0

9.  $(A \cap \bar{B}) \cup [(\bar{A} \cap B) \cup (\bar{A} \cap \bar{B})]$

$(A \cap \bar{B}) \cup \bar{A}$

$\bar{B} \cup \bar{A}$

$\cup (\bar{A} \cap B)$

$\bar{A} \cup \bar{B}$

$\cup \bar{A} \cup \bar{B}$

10. -117 = 111101  
1000010

= 10001011

10001010

2 | 117  
2 | 58 1  
2 | 29 0  
2 | 14 1  
1 0



1.

2.  $3CE \rightarrow \boxed{994}$

$$3 \times 16^2 + 12 \times 16^1 + 14 \times 16^0 = 768 + 192 + 14$$

$$\begin{array}{r} 36 \\ 16 \\ \hline 96 \\ 16 \\ \hline 256 \\ 112 \\ \hline 768 \end{array}$$

$$\begin{array}{r} 16 \\ 12 \\ \hline 32 \\ 16 \\ \hline 192 \end{array}$$

$$\begin{array}{r} 768 \\ 192 \\ 14 \\ \hline 960 \end{array}$$

3.  $(2-2^2) \times (3-3^2) \times (4-4^2) \times (5-5^2) = \boxed{3360}$

$$\begin{array}{r} 14 \times 240 \\ 14 \\ \hline 96 \\ 24 \\ \hline 3360 \end{array}$$

4.

$$\begin{array}{r} 2 \overline{) 181} \\ 2 \overline{) 93} \\ 2 \overline{) 46} \\ 2 \overline{) 23} \\ 2 \overline{) 11} \\ 2 \overline{) 5} \\ 2 \overline{) 2} \\ 2 \overline{) 1} \end{array}$$

5.  $(0^2+9) + (1^2+9) + (2^2+9) + (3^2+9) = \boxed{50}$

9

10

13

18

19

+ 31 =