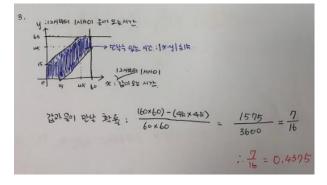
1. 
$$An(B-C) = (AnB) - (Anc) \stackrel{>}{\sim} B_{c}$$
  
 $\Rightarrow An(B-C) = An(BnC^{c})$   
 $= (Bn(AnC^{c})) \cup (BnO)$   
 $= Bn((AnC^{c}) \cup (BnO)$   
 $= Bn((AnC^{c}) \cup (AnA^{c}))$   
 $= Bn(An(A^{c}) \cup (AnA^{c}))$   
 $= (AnB) \cap (AnC)$   
 $= (AnB) - (AnC)$ 

2. 
$$P(A) = \frac{3}{h}$$
,  $P(B) = \frac{7}{7p}$   
 $\Rightarrow P(A \cup B) = \frac{5}{7}$   
 $P(A \cap B) = P(A) + P(B) - P(A \cup B)$   
 $= \frac{3}{h} + \frac{7}{7p} - \frac{5}{7}$   
 $= \frac{20h}{3h0} = \frac{41}{70}$   $\therefore \frac{41}{70} = 0.586$ 



4. (a) 
$$\frac{7}{1283} \cdot \frac{1}{129}$$
  $\frac{1}{1283} \cdot \frac{1}{129}$   $\frac{1}{129} \cdot \frac{1}{129}$   $\frac{1}{129} \cdot \frac{1}{129}$   $\frac{1}{129} \cdot \frac{1}{129}$   $\frac{1}{129} \cdot \frac{1}{129} \cdot \frac{1}{129}$ 

6. 
$$P(A) > 0$$
,  $P(B) > 0$ 

(a)  $P(A|B) \ge P(A) \Rightarrow P(B|A) \ge P(B)$ 
 $\Rightarrow P(A|B) \ge P(A)$ 
 $P(A) \ge P(A)$ 
 $P(A) \ge P(A)$ 
 $P(A) \ge P(B)$ 
 $P(A|B) \ge P(B)$ 

(b)  $P(A|B) = P(B) \Rightarrow P(B|A) = P(A)$ 
 $P(A) \ge P(B)$ 
 $P(A) \ge P(A)$ 
 $P(A) \ge P(A)$ 

T. At ASI BY 
$$\frac{1}{2}012\frac{1}{2}$$
...

$$P(A\cap B) = P(A) \cdot P(B)$$

$$P(A\cap B') = P(A) - P(A\cap B)$$

$$= P(A) - P(A) \cdot P(B)$$

$$= P(A) [1 - P(B)]$$

$$= P(A) \cdot P(B')$$

$$\therefore ASI B' = \frac{1}{2}0104$$

```
8. p(A): A대학 智學 207世 繁复
P(B): B대학 智學 207世 繁复
P(A)= 0.45
P(B(A)= 0.8.
P(A)B)?
P(A)B)?
P(A)B)
P(BA) = P(A)B)
P(A)B)
= 0.45 × 0.8
= 0.36
```