ANSWERS

1. $A'$ $B'$ ($A∩B)' $



$ (A∪B)'$ $A'∩B$ U 



1. a) n(U) **= 9**

 b) n( $A∩B$) **= 4**

 c) n( $A∪B$) **= 7**

 d) n($A'$) **= 3**

1. a. 

 b. $P∩Q=11, 13, 17$ ii. $P∪Q^{'}=2, 3, 4, 5, 7$

4. a. Q = {2, 4, 6, 7, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28}

 b. R = {1,3,5,7,9,11,13,15,17,19,21}

 c. S = {3,5,7,11,13,17,19}

 d. T = {4, 9, 16, 25}

 e. U = {8, 27}

5. State whether each of the following statements is true or false.

* 1. T
	2. T
	3. F
	4. F

6. 8.

9.

 

Work for 9: 