Discrete. Spring 20 Quiz 10. NameShow all work for full or partial credit.	Time
1. Given universe $\mathcal{U} = \{1, 2, 3, \dots, 100\}$; $A = \{7, 9, 10\}$; and $B = \{5, 4, 7, 10\}$. Find to $ A \cup B $	he following:
$ullet \overline{A \cup B} $	
2. How many PIN's are there with 8 digits, no repeated digits?	
3. How many PIN's are there with 7 digits, no repeated digits, and such that they of first digit is 5 or the second digit is 9 (or both)?	bey the rule that: either the
4. How many PIN's are there with 5 digits, no repeated digits, and such that the fourth digit is not 9? (It would be illegal to have repeated digits. It would also illegal to have a 9 fourth, and illegal to have both of those.)	9