AMI Aptitude Papers 1

Logical Reasoning:

1. 3 types of chickens: Baby chickens cost 5 cents, hen chickens cost 3 dollars, rooster chickens cost 5 dollars. Buy 100 chickens for 100 dollars. How many will you have from each?

2. Calculate : $(x-a)(x-b)(x-c)....(x-z)$?

3. What is the day after 4 days after 2 days before the day before tomorrow?

4. 2 trains each of length 1 mile enter into 2 tunnels of length 1 mile and 2 miles apart. speed if trains are 5 and 10 miles/hr. Give the position as viewed by a helicopter when the trains meet?

5. A says I'm not guilty
B says C is not guilty
C says A is not guilty
If all above are true.(i) Can we say anyone is guilty/innocent?
(ii)Who is most likely to be guilty?

6. 18 story building - Accountant's office is 5 times the lawyer's office. Architects office 2 floors up then he is halfway between Dentist's & Accountant's office. Architects office halfway down means between Dentist's and Lawyer's office. Give the order

7. How many tennis matches are to be arranged to conduct a tournament with 213 players?

8. In a family 7 children don't eat spinach, 6 don't eat carrot, 5 don't eat beans, 4 don't eat spinach & carrots, 3 don't eat carrot & beans, 2 don't eat beans & spinach. 1 doesn't eat all 3. Find the no. of children.