Systems of Equations Word Problems

21. In a classroom, there are 28 students. The number of girls is 4 more than the number of boys. How many boys and girls are there in the classroom?

22. A school has 8 sports teams in total, some are soccer teams (11 players each) and some are volleyball teams (6 players each). If there are a total of 68 players, how many soccer teams and volleyball teams are there?

23. In a class election for president, 30 students voted for either Candidate A or Candidate B. Candidate A received 6 more votes than Candidate B. How many votes did each candidate receive?

24. The perimeter of a rectangular garden is 46 meters. The length of the garden is 5 meters more than its width. Find the length and width of the garden.

25. In a triangle, one angle is 20° more than another angle. The third angle is 90°. Find the measures of the two unknown angles. (Note: The sum of angles in a triangle is 180°).