Name_____ Block_____

1) The school has 625 girls, but the number of girls is decreasing by 3 per year. There are 555 boys, and the number of boys is increasing by 7 per year. How many years will it take for the number of girls and boys to be the same?

2) The Pre-Calculus classes have a total of 128 students, but the number of students has been growing by 4 per year. The Statistics classes have been declining at a rate of 7 students per year. If there are 249 students in the Statistics classes, how many years will it take for the classes to have the same number of students?

3) Ecologists are studying the fish population in a lake. There are 3500 catfish and the population is increasing by 500 per year. There are 5750 trout, but the population is decreasing by 250 per year. How long will it take for the populations to be the same?