(a) Estimate the population of the city in 2025.

(b) Assuming the growth continues at the same rate, when (the Year) will the city have 8,800 people?

2. Suppose a student carrying a flu virus returns to an isolated college campus of 2600 students. If it is assumed that the rate at which the virus spreads is proportional not only to the number P of infected students but also to the number of students not infected, determine the number of infected students after 10 days if it is further observed that after 4 days there are 50 infected people in the campus.

2)
$$\rho_{\text{Max}} = 2600$$
 $\rho_{\text{max}} = 10$
 $\rho_{\text{$

K= .9828