

Name: \_\_\_\_\_

Read carefully the problem, then identify the important parts, make a **model**, and a **flow chart**. Remember to describe all the passages that brings you to give a certain answer (why a certain value is an input, where you found information on the data type, why you made a certain choice, etc...).

According to the CIA World Factbook the current world annual growth rate is 1.096%, this mean that in 1 year the world population increase by a factor 0.01096.

I.e. if today the number of people is  $p$ , in a year will be about  $p + p \cdot 0.01096$ .

Make a program that let you forecast the world population after a number  $y$  of years from now, having a number of people  $p$  today.