Human populations can be modeled using an exponential growth function. Use the Library for research or other resources to find the following:

* current world population
* current U.S. population
* current growth rate of the world population
* current growth rate of the U.S. population

Starting in the current year, determine the following:

1. Based on current growth rates, how long will it take world population to reach exactly 7 billion? How long to reach exactly 10 billion?
2. Based on current growth rates, how long will it take for the U.S. population to reach exactly 400 million? How long for exactly 500 million?

This is the population growth function:

