Name _____

Modeling Population Growth

Calculating Population Change

Use the data provided in your STEM project page to determine the following:

United States	India
Country Population Develop a function that represents the populations in each country over time.	
Urbanization Calculate the urban populations in each country in 1950, 2010, and the predicted urban population in 2050. Use that data to develop a function that represents the urban populations in each country over time.	
Compare How do these functions compare with the linear equation you used to predict populations in the previous topic project?	

Modeling Population Growth

Effects of Urbanization

Cities are called urban areas. The large increase in the proportion of the population living in urban areas is urbanization. Research the following aspects of how urbanization impacts a region.

Pros	Describe some advantages of urbanization.
Cons	Describe some disadvantages or harmful effects of urbanization.
Outcome	Explain how those pros and cons can impact the sustainability of growth predicted by your model.