

The population of a city, in thousands of people, over a 10-year period can be modeled by the function $f(x) = 0.04x^3 - 0.56x^2 + 1.6x + 27$, where x is the year during this 10-year period. Use a table of values to graph the function. Use your graph to complete the statements.

Select your answers from the drop-down menus.

The city had the greatest population (to the nearest year) in year .

The city had the least population (to the nearest year) in year .

The number of customers at a bakery over a 15-hour period can be modeled by $f(x) = -0.01x^4 + 0.29x^3 - 2.43x^2 + 5.11x + 24.84$, where x is the number of hours since the bakery opened. Use a table of values to graph the function. Use your graph to complete the statements.

Drag and drop your answers to correctly complete the sentences.

The greatest number of customers (to the nearest hour) is at hour .

The least number of customers (to the nearest hour) is at hour .