# Part A: Complete the tables below.

1. Our Town
2. Our State
3. Our Country

| Year | Census Population |  | Year | Census Population |  | Year | Census Population |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1960 |  |  | 1960 |  |  | 1960 |  |
| 1970 |  |  | 1970 |  |  | 1970 |  |
| 1980 |  |  | 1980 |  |  | 1980 |  |
| 1990 |  |  | 1990 |  |  | 1990 |  |
| 2000 |  |  | 2000 |  |  | 2000 |  |
| 2010 |  |  | 2010 |  |  | 2010 |  |

# Part B: Plot the data from Part A. Use a colored pencil and straight edge to connect each point creating a line graph.







# Part C: Use the data from Parts A and B to estimate the populations for the years below.

1. Our Town
2. Our State
3. Our Country

| Year | Census Population |  | Year | Census Population |  | Year | Census Population |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1965 |  |  | 1965 |  |  | 1965 |  |
| 1975 |  |  | 1975 |  |  | 1975 |  |
| 1985 |  |  | 1985 |  |  | 1985 |  |
| 1995 |  |  | 1995 |  |  | 1995 |  |
| 2005 |  |  | 2005 |  |  | 2005 |  |

Explain how you found these estimates.

# Part D: Use a different colored pencil to plot the values you found for each of the years in Part C on the graphs you made in Part B.

What do you notice about these points?

# Part E: Conclusions

What must be true about the year you are estimating the population for to use your method from Part C?

* Definition:
* Formula: