

- Example 2:

- Example 3:

- Example 4:

- Example 5:

3. The data of population in Utah over the last 100 years is given below.

Year	Population of Utah	Year	Population of Utah
1900	276,749	1960	890,627
1910	373,351	1970	1,059,273
1920	449,396	1980	1,461,037
1930	507,847	1990	1,722,850
1940	550,310	2000	2,233,169
1950	688,862	2003	2,351,467

- (a) Determine whether the population in Utah has grown linearly or exponentially over the last 100 years. Justify your answer by using a graph and appropriate calculations of the absolute and relative changes over time.

Years	Absolute Change	Relative Change
1900-1910		
1910-1920		
1920-1930		
1930-1940		
1940-1950		
1950-1960		
1960-1970		
1970-1980		
1980-1990		
1990-2000		