

Problem Set: 5.5

1. Display 5.19 gives the populations of Hawaii and Nevada for each census of the United States up to the year 2000.
 - (a) Compare the populations from 1900. What do you notice?
 - (b) Compare the populations in 2000. What do you notice?
 - (c) Do the graphs of the populations and time for the two states intersect somewhere? Why?
 - (d) Graph the data for Hawaii. Are the points close to forming a straight line?
 - (e) Graph the data for Nevada. Are the points close to forming a straight line?
 - (f) Make an appropriate graph to compare how the two populations grew during these years. Write a statement expressing your comparison.
 - (g) Give the year(s) in which the populations of the two states were the same.



Year	Hawaii	Nevada
1900	154,001	42,335
1910	191,874	81,875
1920	255,881	77,407
1930	368,300	91,058
1940	422,770	110,247
1950	499,794	160,083
1960	632,772	285,278
1970	769,913	488,738
1980	964,691	800,508
1990	1,108,229	1,201,833
2000	1,211,537	1,998,527

Display 5.19