1) For the following populations, please compute their IQV, and which population has more racial diversity, and why?

Racial groups	Population A (in percentage)	Population B (in number)
White	70%	68,598
Black	5%	12,367
Hispanics	12%	15,816
Asians	2%	3,691
Others	11%	9,864
N	100%	110,336
IQV	60.1%	71.4%

2) For the following raw data, please compute its mode, median, mean, variance, and st.d.

15, 21, 41, 78, 12, 0, 0, 13, 0, 69, 108, 19

Mode: 0

Median: 17

Mean: 31.3

Variance (S^2): 1,249.9

St.d. (S): 35.4

3) For the following frequency table, please compute its mode, median, mean, variance, and st.d.

age	frequency	Cumulative frequency
0	52	52
15	36	52+36 = 88
21	12	88+12=100
29	47	100+47=147
38	10	147+10=157
55	34	157+34=191
57	59	191+59=250
62	67	260+67=317
N	317	---

Mode = 62

Median = 55

Mean = 37.6

Variance (S^2) = 541.4

St.d. (S) = 23.3