Who is the Greatest Homerun Hitter of all Time?

The following data is the number of homeruns hit by the player in the years that they played.

Hank Aaron	32	10	12	20	40	34	47	38	44	29	39	44
		24	44	45	34	40	39	30	44	26	27	13
Babe Ruth	25	0	4	3	2	11	29	54	59	35	41	
		47	60	54	46	49	46	41	34	22	6	
Mark McGwire	58	70	3	49	44	32	33	39	22	42	9	9	39	52

1. Simply by examining the data above, tell which player you feel is the best homerun hitter of all time and give justification for your response.

2. Calculate a five number summary and the mean for each of the data sets listed above:

	Hank Aaron	Babe Ruth	Mark McGwire
Minimum			
Lower Quartile			
Median			
Upper Quartile			
Maximum			
Mean			

3. Make a box and whiskers plot for each of the data sets listed above. Show all three on the same set of axes. **Clearly label the axes.**

4. Based on your results in Problems 2 & 3, whom do you now consider the greatest homerun hitter of all time? Justify your response with statistics.

5. Determine the range, the interquartile range, and the standard deviation for each homerun hitter.

	Henry Aaron	Babe Ruth	Mark McGwire
Range			
IQR			
Standard Deviation			

6. Does the information in Problem 5 confirm or reject your answer to Problem 4. Explain how.

7. Summarize your findings from this project by writing a paragraph that tells whom you believe is the greatest homerun hitter of all time. Please cite specific statistical data to support your decision.