

DO NOT TURN THIS PAGE UNTIL YOU ARE INSTRUCTED TO DO SO

- ❖ Write your name below on the space provided.
- ❖ This test has a total of 5 pages.
- ❖ Work the problem in the space provided. If you need more space, write on the back of the test.
- ❖ To insure maximum credit, show your work. In general, full credit will not be given for unsupported answers.
- ❖ Look only at your test. Don't give me the impression that you are cheating.
- ❖ Be sure to write neatly. If I cannot read what was written, do not expect the problem to be graded.
- ❖ If you finish early, go over the test again.

Good luck!

Number	Maximum	Score
1	12	
2	4	
3	4	
4	4	
5	8	
6	16	
7	3	
Total	51 (In) 49 (TH)	

Name _____

CIRCLE FINAL ANSWERS

Round to Two Decimal Places Unless Otherwise Noted

- 1) Consider the data to the left which shows the total number of elementary schools in select states.
Round to two places as needed

{219, 183, 115, 183, 101, 622, 237, 533, 321, 412}

- a) (2 points) Find the mean of the data: b) (2 points) Find the median of the data:

- c) (2 points) Find the mode of the data: d) (2 points) Find the range of the data:

- e) (4 pts) Draw and label a histogram. Use the classes 0 – 99, 100 – 199, and 200 – 299:

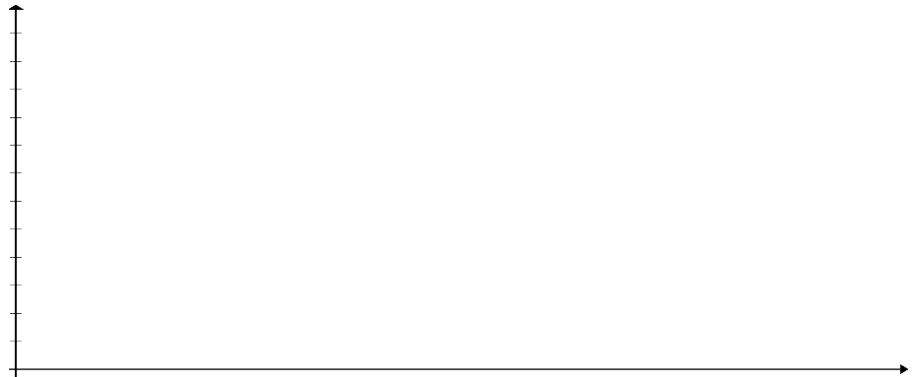
- 2) (4 points) The data below, from VGChartz.com, shows total sales of various video game devices through 2014. Draw and label a bar graph for the following data from most sold to least sold. Count your y-axis by 10,000,000.

Platform	Total
PS4	18,880,135
3DS	50,096,909
XOne	10,984,351
WiiU	8,912,202
PS3	84,928,078
PSV	10,868,472
X360	84,434,284
Wii	100,937,005
PSP	80,680,020



- 3) (4 points) The following data comes from Statista.com showing Physical Video Game Sales in Billions of Dollars. Count the y-axis by 1's. Draw and label a histogram for this data.

Year	Billions of Dollars
2006	7.3
2007	9.5
2008	11.7
2009	10.6
2010	10.1
2011	9.3



- 4) (4 points) Annabelle “Her?” Bluth is a student at Cuyahoga Community College Where Futures Begin. In her Calculus XVII class, the instructor weights the grade. Given the weights and her grade in each category, compute her overall grade:

Type and Percent	Homework 10%	Quizzes 15%	Participation 5%	Projects 10%	Test Average 20%	Final 40%
A.B.’s Score	100%	97%	100%	82%	80%	85%

- 5) (4 points each) Suppose there are 2,000 people at a concert and the ages of the people are normally distributed with a mean of 45 years and a standard deviation of 8 years.
- a) What **percent** of people are younger than 37 years?

- b) What **number** of people are older than 61 years?

