

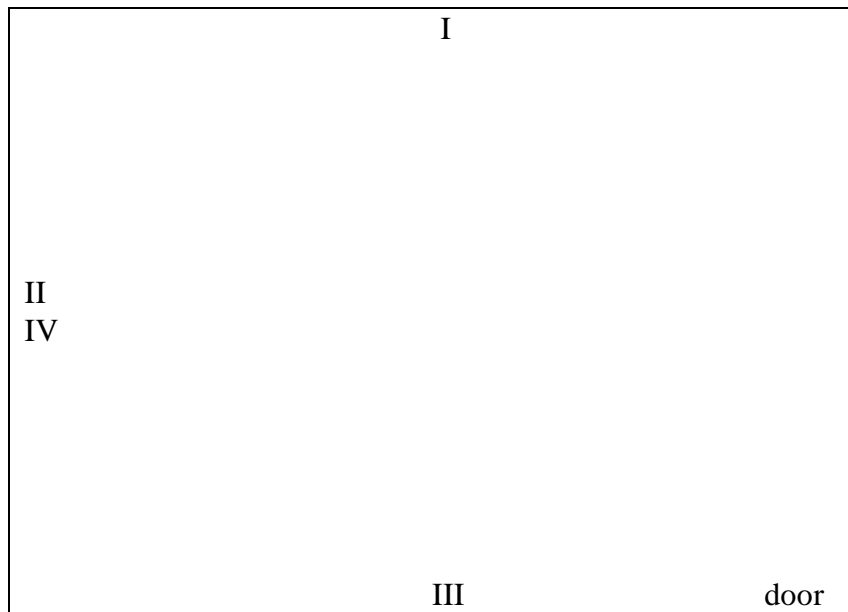
QUIZ I ALGEBRA 1

Your Number: ____ Remainder when you divide your number by 8 = 0 1 2 3 4 5 6 7

1. Identify the coordinates for your desk using the CBL with the CBR, in meters. Press M and then use 0 to place the CBL in the Multimeter Mode to collect from the Sonic Channel in meters. Mark your location on the chart below with at least three other landmarks in the room. Use the Origin that is assign to your number.

X-coordinate = _____ Y-coordinate = _____

Remainder	0	1	2	3	4	5	6	7
X-Axis	I	I	II	II	III	III	IV	IV
Y-Axis	II	IV	III	I	II	IV	III	I



2. Measure the following on your body in centimeters:

Length of your Index finger on your right hand = _____

Distance around you left wrist at the bone = _____

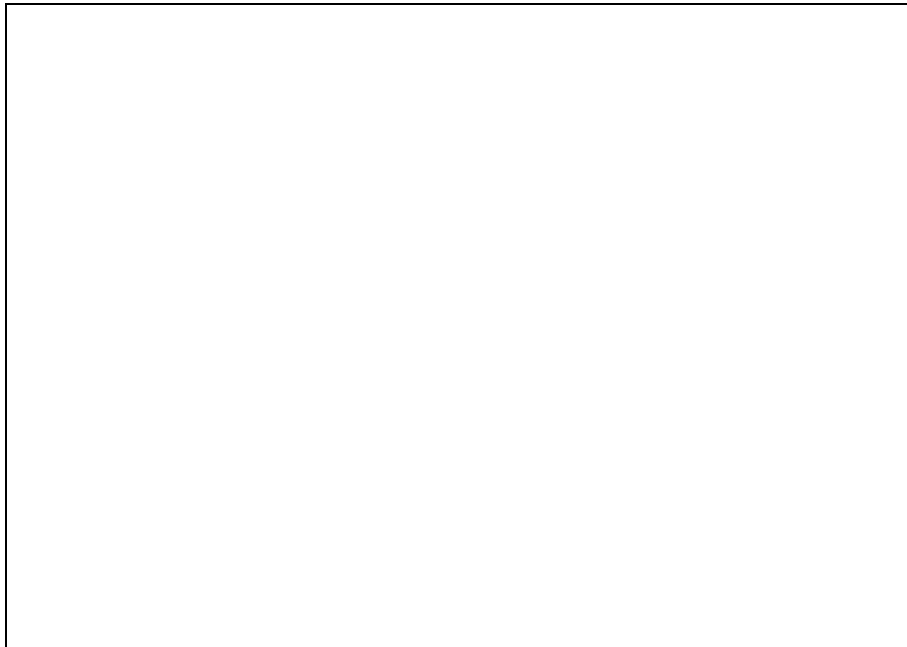
3. Given the following set of centimeter lengths of the right Index fingers of Algebra students in Dallas (1977), answer these questions.

6.7	7.8	7.7	7.2	6.8	6.8	6.8	7.3	7.3	7.5	7.7	8.3	8.2	7.8	7.3
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<i>n</i>	Sum	Mean	Median	Mode(s)	Minimum	Maximum

4. Make a Histogram of the data in question 3. Record your WINDOW below and make a sketch of the graph from your calculator. Show Mr. Young the sketch and the image on your calculator.

Xmin	Xmax	Xscl	Ymin	Ymax	Yscl
		0.1			



5. Calculate your Deviation from the Mean of the Index Fingers of Dallas. Show your work.

6. Answer one of the following for the Index Finger data from Dallas:

- A. Sketch a Box and Whiskers.
- B. Sketch the Z-Distribution.
- C. Do a T-Test on the data, using the National standard for Index Fingers of 77 millimeters.
- D. Convert the Index lengths to feet.

7. Extra Credit: Print, Save, or E-mail me one of the products from this Quiz.