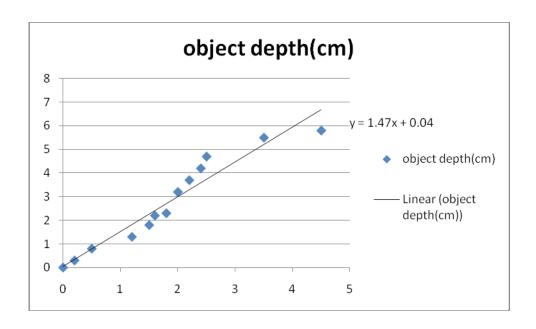Merlisa Isaac

Laboratory 14

In this laboratory we looked at the image and object depth by looking at the glasses and a penny. It was an indoor activity in which all participated in. This lab was just like the Lab 10, Refraction and Reflection. The main purpose of this lab was to answer the four questions that were written on the board. We used twelve pieces of glasses and a penny. It does not require a lot of work and also equipments. We only need a ruler to measure the distance of image and object depth.

Data Graph

image depth (cm)	object depth(cm)
0	0
0.2	0.3
0.5	0.8
1.2	1.3
1.5	1.8
1.6	2.2
1.8	2.3
2	3.2
2.2	3.7
2.4	4.2
2.5	4.7
3.5	5.5
4.5	5.8

object depth(cm)

$y = 1.47x + 0.04$

♦ object depth(cm)

—— Linear (object depth(cm))

In conclusion this lab was fun and interesting. I learned that there was a relationship between the lab ten and this lab. There is no procedure to this lab because we fallow what we know, but Corazon and I applied a little bit from lab 10, which is refraction and reflection. I kind of like this lab due to the fact that it does take time. The experimental index was 0, theoretic was 1.47 cm, and the percentage error was 0. The agreement was strong because by observing we found out that there is a relationship between lab ten and lab 14.