

Inverse Square Law Lab Conclusions:

1. A 1.3 cm X 1.3 cm hole when held 2.5 cm away from the screen produced a _____ x _____ image. This is an area of _____. (hint:hxl)
2. Complete and test the following distances. Graph your results.

Centimeters away	Area of image (h x l)
2 cm	cm ²
4 cm	cm ²
6 cm	cm ²
8 cm	cm ²
10 cm	cm ²

3. State the inverse square law.
4. Using your results, prove or disprove this law. Site your results as evidence.
5. Expand your hole to 2cm x 2cm. What is the area of the image when it is 2cm away from hole.