**Concave Mirrors Worksheet**

1. Describe the four image characteristics according to the LOST method for each of the following 9 objects. (Note: the objects are located 1 through 9 left of the mirror, upright on the principal axis)

<----------- objects ----------->

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Image | Location | Orientation | Size | Type |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |

1. Identify the means by which you can use a concave and/or a plane mirror to form a real image.
2. Identify the means by which you can use a concave and/or a plane mirror to form a virtual image.
3. Identify the means by which you can use a concave and/or a plane mirror to produce an upright image.
4. Identify the means by which you can use a concave and/or a plane mirror to produce an inverted image.
5. Are all real images larger than the object?
6. Draw the image in the following diagrams and characterize the image using the LOST method.