Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score:\_\_\_\_\_\_\_\_\_

Section:\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_

*Worksheet on Spherical Mirrors*

Solve and draw. ( Erasure is NOT allowed )

A concave mirror has a radius with absolute value 20 cm. Find graphically the image of an object in the form of an arrow perpendicular to the axis of the mirror at each of the following distances: (a) 30 cm, (b) 20cm, (c) 10 cm, (d) 5 cm. Check the construction by computing the size and magnification of each image.

**Principal Diagram**

a.

b.

c.

d.

**Computation**

Distances (q)

a.

b.

c.

d.

Magnification (m)

b.

c.

d.

spdl...