## **Geometrical Optics**

## **Problems for Week 2**

1.	. A coin of 3 cm in diameter is 12 cm away from a concave mirror with a radius of cu	ırvature
	of 6 cm. Find the image of the coin. You can choose an orientation of the coin.	

- 2. A converting convex-concave glass lens is made with two spherical surfaces of 13 cm and 10 cm in radius. Find its focal length in air.
- 3. A biconvex glass lens is made with two spherical surfaces of 15 cm and 10 cm in radius. Find its focal length in air.
- 4. A coin of 1.2 cm in diameter is 4 cm away from a biconvex lens that has a focal length of 12 cm. Find the image of the coin. You can choose an orientation of the coin.