Physics 11 - Practice Questions

Unit: 7.6

1. An object is 100.0 mm away from a lens of focal length 50.00. How far from the lens will the image form?
2. A real image forms 60 mm away from a lens when the object is 30 mm from the lens. What is the focal length of the lens?
3. An object is 25 cm away from a lens of focal length 50 cm. Where will the image form?
4. The distance from the lens of someone’s eye to the retina is 20.0mm. If the image of a book held 40.o cm in front of the eye is in sharp focus, what is the effective focal length of the lens?
5. A candle is placed 30.0 cm from a convex lens of focal length 20.0 cm. What will the magnification be?