1. What is the wavelength of an electron traveling at a velocity which is 28% of the speed of light?
2. What is the uncertainty of position of an object that has a mass of 38 g with a velocity of 3 x 108 m/s with an accuracy within 2.0 x 10-2 m/s.
3. What is the mass of an object with a wavelength of 560 nm and a speed of 3.50 x 105 m/s?
4. What is the uncertainty of velocity of an object with a 1.40 x 10-5 g particle located at a position of (7.00 ± 0.03) x 108 m.