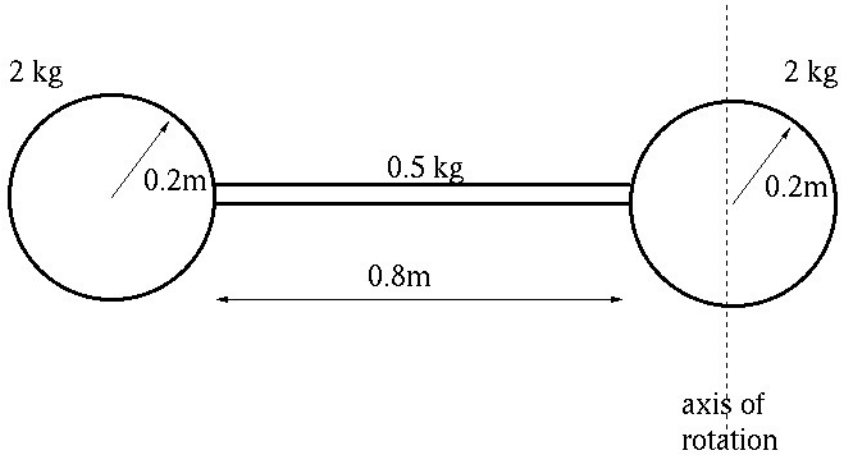
Physics 211 Problem Set 10 Due Fri, 10/8/19
Last Name:_____ First Name _____
Workshop time or section:_____TA name or Room # _____

Please submit your homework on this sheet. If you need more space than is available, please attach additional sheets of paper.

1. Rotating object consists of two solid spheres with a radius of 0.2 m and a mass of 2 kg each. They are connected by a thin rod, which is 0.8 m long. Calculate moment of inertia about the axis going through the center of one of the spheres as illustrated in the figure. (See Table 9.2 in Young&Freedman 14th ed. p.286 for moments of inertia for various shapes).



2. Find moment of inertia of letter “F” about the pivot point located at its bottom (the axis of rotation is perpendicular to the plane of the picture). The letter “F” is constructed from thin rods and has a total mass of 26 kg.