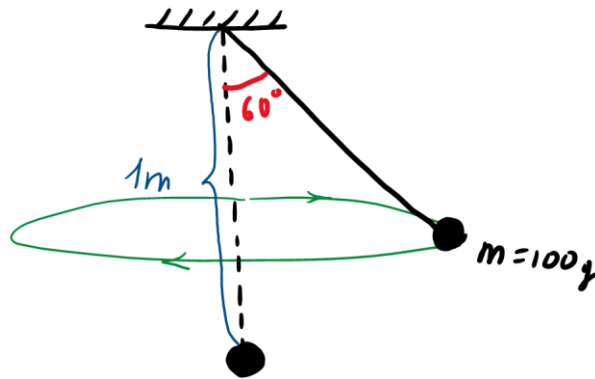


Homework 4

Problems:

1. Initially, a 100g ball is hanging at the end of a 1m thread. Then, the ball had been rotated in the horizontal plane in such a way that the angle between the thread and the vertical is 60° . Find total work done on the ball.



2. A chain of mass m is placed at the round table as in shown in the figure below. The chain forms a circle with a radius R , and the center in the same point as the center of the table. The table is rotated with an angular velocity ω . Find tension of the chain.

