HW3
5500 Spring 2015

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1. Assume that Dido and her people landed on a circular island of radius equal to R. Solve Dido problem at a shore of that island, assuming that the length of the rope is smaller than $2\,R$.

2. A heavy chain of the length $L = 4$ is hanged over a floor $h = 0$, a part of the chain lies on a floor. The coordinates of the supports are $h = 1, x = 0$ and $h = 1, x = 1$. Find a position of equilibrium of the chain.