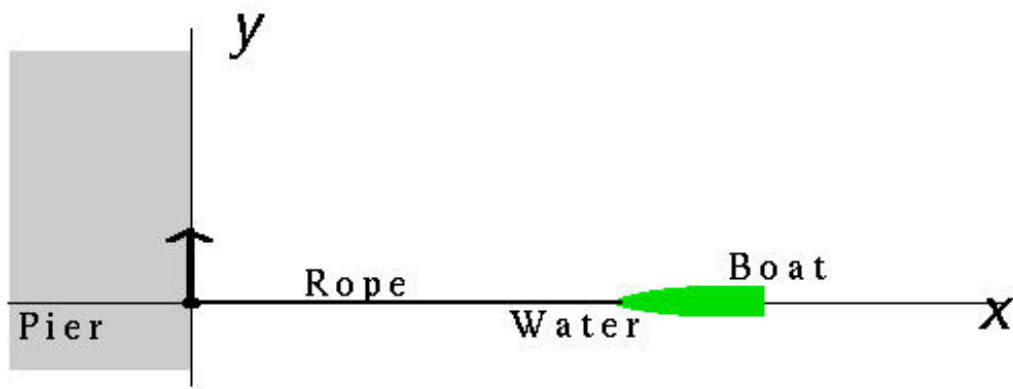
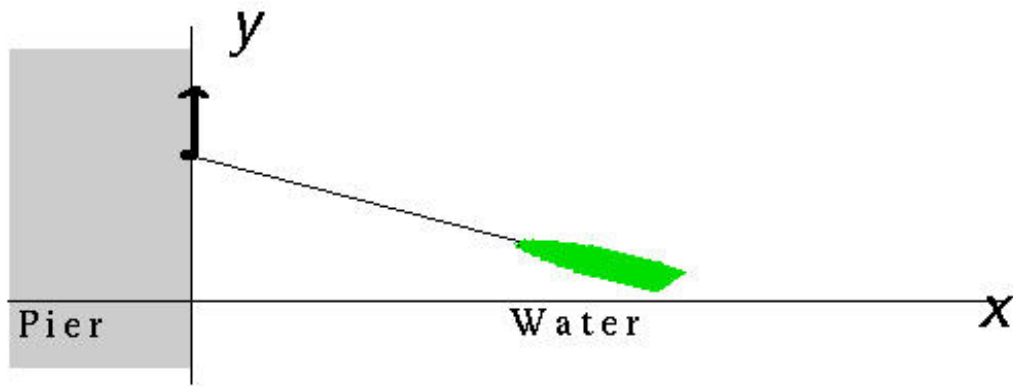


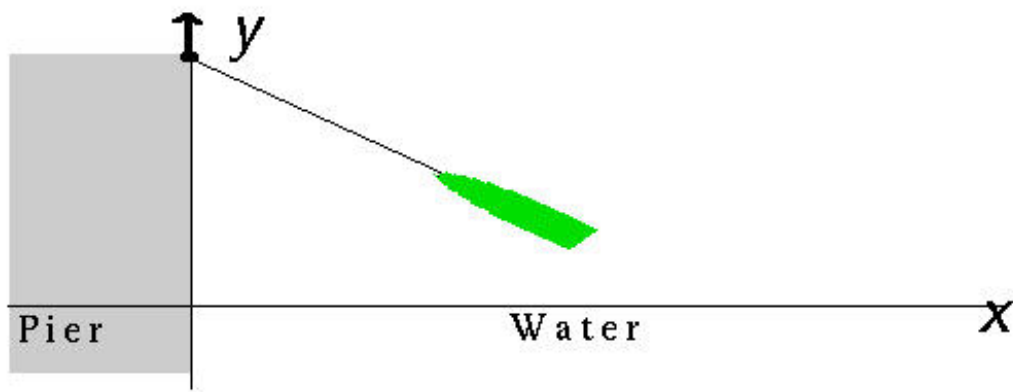
A rope, 10 meters long, is attached to a boat.



A man, holding this rope, walks along a pier. This pulls the boat on a curved path.



Let us draw a y axis along the pier and an x axis perpendicular to that. We will assume that the man has started at $(0,0)$ and the boat has started at $(10,0)$



The curved path that the boat travels along is called a *tractrix*

