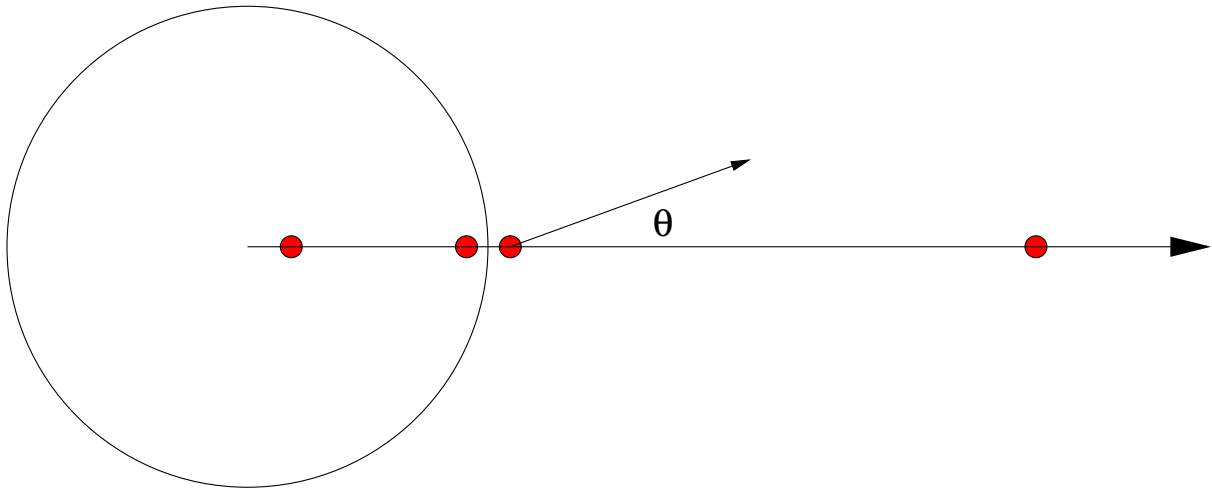


Radiative and Dynamical Processes: Mini-problem 2 (due Monday)



Consider an optically thick sphere of hot gas, in spherical symmetry. The intensity $I = I(\theta)$, where θ is the polar angle to the outgoing radial direction. Sketch the function $I(\theta)$ in the interval $[-\pi, \pi]$ at the four locations shown in the diagram.