

Name:	Signature:
Department:	Number:

- 1) (25 points) Four small spheres, each of which can be regarded as a point mass (m) are arranged in a square and connected with rods (also with mass m and length L). Find the moment of inertia of the system about an axis perpendicular to the page and through the center of the square. ($I_{cm}(\text{rod})=ML^2/12$)

