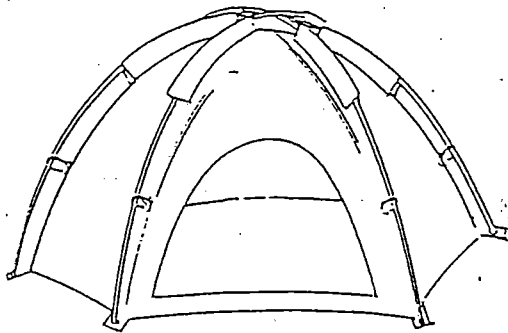


HW 4 (Due October 23) The base of a tent is a regular hexagon of side length r . Flexible poles in the shape of semi-circles connect opposite corners. Cross-sections of the tent parallel to the base are regular hexagons. During a severe rainstorm at Mount Rainer, the tent gets flooded. If the water level in the tent rises at a constant rate and it takes T hours for half the volume enclosed by the tent to fill with water, how much longer will it take the rest of the tent to fill up?



Top View

