

- (3) A typical cylindrical soda can has a volume of 354 cm^3 . The top and bottom of the soda can are twice as thick as the side of the can. What dimensions will minimize the material needed to manufacture the can? (Hint: minimize the surface area, but use twice the surface area for the top and bottom) Compare your answer to an actual soda can, which typically has a radius of 3.1 cm and a height of 12.0 cm.