V= TT Sa (34) dy M=9-y2 X no se prede con sust has - Sustitución trigonometrica

0 = arcseny y = 9 sero dy = 9 cos 8 do + V = 1153 9 ws 0 . 9 ws 4 da V=817 5 cos a da V=817 [0 2(1+cos 20) do V = 81 71 S 1 + Cos 20 de V - 8 1 n (Si do + Scos 20 do) 2 u = 20 du = 2 de $V = \frac{81}{2}n \left(\theta + \frac{1}{2}\int_0^3 \cos u \, du\right)$ V = 8 1 M (0 + 1 5 3 cosu du V -8 1 7 (0 + 1 sin 20)

V = 81 n (arc sen y) +811 2 sen 0 cos 0 V= 81 m (arcsen (4)) + 81m2. 4 . 19-42 V-181 11 (arcsen (7)) + 17.4 (94) V = 8 1 1 (arc sen (1)) - 81 11 (arc sen (0)) $V = \frac{81}{2} \pi / \operatorname{arcsen} \left(\frac{1}{3}\right) u^3$. Ve lumen de la perforación N = V curva V = 81 (are sen (1))/3 V = 27 11 (arc sen (3) Rpta 27 m(arcsen(1/3))