Serie 6

2) Formel $\frac{\pi h^2}{6} \cdot (3d - 2h)$

$d = 10m$

$h_0 = 9_M$

$\Rightarrow f(h) = \frac{\pi h^2}{6} \cdot (3d - 2h) - 471 = 0$

$\frac{\pi h^2}{6} \cdot (30 - 2h) - 471 = 0$

$f'(h) = \pi 2h \Rightarrow$ [illegible]

$x_1 = 9 - \frac{f(9)}{f'(9)} = 8.3291$

$x_2 = x_1 - \frac{f(x_1)}{f'(x_1)} = 8.0687$

$x_3 = x_2 - \frac{f(x_2)}{f'(x_2)} = 8.0381$

$x_4 = x_3 - \frac{f(x_3)}{f'(x_3)} = 8.0372$

$x_5 = x_4 - \frac{f(x_4)}{f'(x_4)} = \underline{8.0372} = h\ [M]$