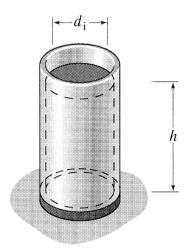
Example 12.2

A vetical standpipe has an inside diameter of $d_i = 3m$ and is filled with water to depth of h = 5m. If the allowalbe hoop stress is 80MPa, what is the minimum wall thickness of the tank?



 $P_{max} = pgh$; p = mass density of worker $timin = \frac{(pgh)r}{T_{allow}}$