2)

Ph = h \* ­­ρ \* g = 4 \* 1000 \* 10 = 40000 Pa = 40 kPa

F = Ph \* S = 40000 \* 50 = 2000000 N = 2 MN

3)

Ph = h \* ­­ρ \* g = 12 \* 1000 \* 10 = 120000 Pa = 120 kPa

4)

h1 = Ph / (­­ρ \* g) = 100000 / (1000 \* 10) = 100000 / 10000 = 10 m

h2 = Ph / (­­ρ \* g) = 100000 / (13579 \* 10) = 100000 / 135790 = 0,74 m