* Manometer: devices which make use of columns of liquid to determine pressure differences
  + Simplest type is U-tube
  + Manometer fluid must be immiscible with fluid in tank
  + Density must be greater than density of the fluid in the tank
  + Boundary conditions
    - ⍴1 = ⍴0, z = h3
    - ⍴2 = ⍴1, z = h1
  + Solution of differential equation
    - P1 = -⍴1gz + C1
    - P2 = -⍴2gz + C2
  + Application of boundary condition 1
    - C1 = p0 + ⍴1gh3
  + Pressure in fluid 1
    - P1 = p0 + ⍴1g(h3 - z)
  + Application of boundary condition 2
    - C2 = p0 + ⍴2gh1 + ⍴1g(h3 - h1)
  + Pressure in fluid 2
    - P2 = p0 + ⍴2g(h1 - z) + ⍴1g(h3 - h1)
  + Gauge pressure
    - Pg = (p2 - p0) = ⍴2g(h1 - z) + ⍴1g(h3 - h1)
  + Usually, ⍴1 >> ⍴2
    - Pg ≃ ⍴1g(h3 - h1)