

**QUIZ # 10. Chapter 11. Fluids PHYS 203.**

**NAME:**

At one point in a vertical pipeline the water's speed is 3.00 m/s and the pressure is  $5.00 \times 10^5$  Pa. At a second point in the line, 12.0 m lower than the first, the diameter is twice that at the first ( $\rho_{water} = 1000 \text{ kg/m}^3$ ).

- (a) Find the water's speed at the second point.
- (b) Find the pressure at the second point.