**Unit 3 – Fluids: Quiz 3c**

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A glass tube has several different cross-sectional areas with the values indicated below. A piston at the left end of the tube exerts pressure so that the water within the tube flows from the right end with a speed of 8.0 m/s. ***Include a diagram!***

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1. What is the speed of the water flowing through point B?
2. What is the total pressure at point B? (***Point C is open to the atmosphere!***)
3. Determine the height of the manometer with the evacuated upper end.Answer:

A glass tube has several different cross-sectional areas with the values indicated below. A piston at the left end of the tube exerts pressure so that the water within the tube flows from the right end with a speed of 8.0 m/s. ***Include a diagram!***

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1. What is the total pressure at point B?



1. Determine the height of the manometer with the evacuated upper end.

