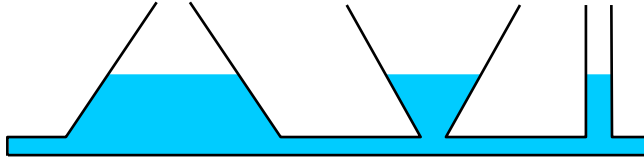


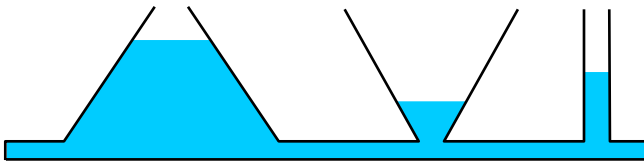
7. Circle the letter of the correct statement about pressure in a fluid.
- A. Pressure is a body force
  - B. Pressure acts normal to a surface
  - C. Pressure is a frictional force
  - D. Pressure acts parallel to a surface

9. Three containers connected at the base are filled with a fluid. The top of each container is open to the atmosphere and surface tension is negligible. The container shapes are all different. Circle the letter for the figure that shows the correct fluid levels in the containers at equilibrium conditions.

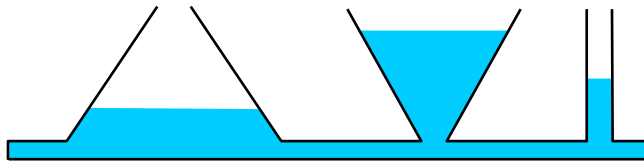
A.



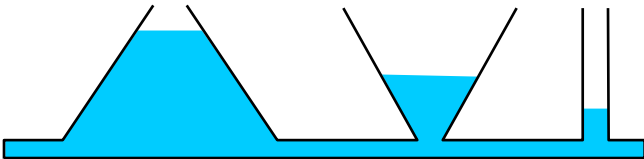
B.



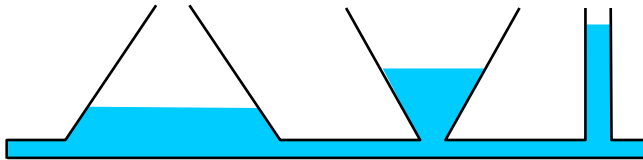
C.



D.

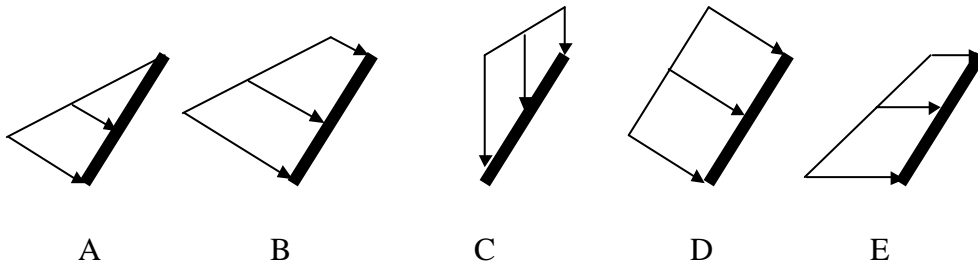
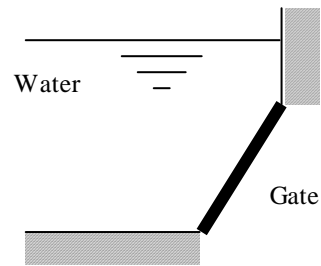


E.



12. A two-dimensional gate is submerged in water. Circle the letter of the figure that best represents the pressure distribution of the water on the left hand (water) side of the gate.

- A. Figure A
- B. Figure B
- C. Figure C
- D. Figure D
- E. Figure E



14. Two tanks filled with air are shown below. Water filled manometers that are open to the atmosphere are connected to each, and the water levels are as shown. Circle the letter of the correct answer for the water levels when a single manometer joins the two tanks.

- A. Figure A
- B. Figure B
- C. Figure C
- D. Figure D
- E. Figure E

