

## Quiz 8

I have a tank that I like to use to serve Piña Coladas when I have a party. My tank is .25 m high with a width of .75m and length of .5m. This specific tank is tiled in regular hexagons that are laid so that their top and bottom side are parallel to the base of the tank and are .01m tall. What is the force due to hydrostatic pressure on a hexagon that is .03 m from the base of the tank?

(Assume the density of a Piña Colada is  $1.1 \text{ g/cm}^3$ )

