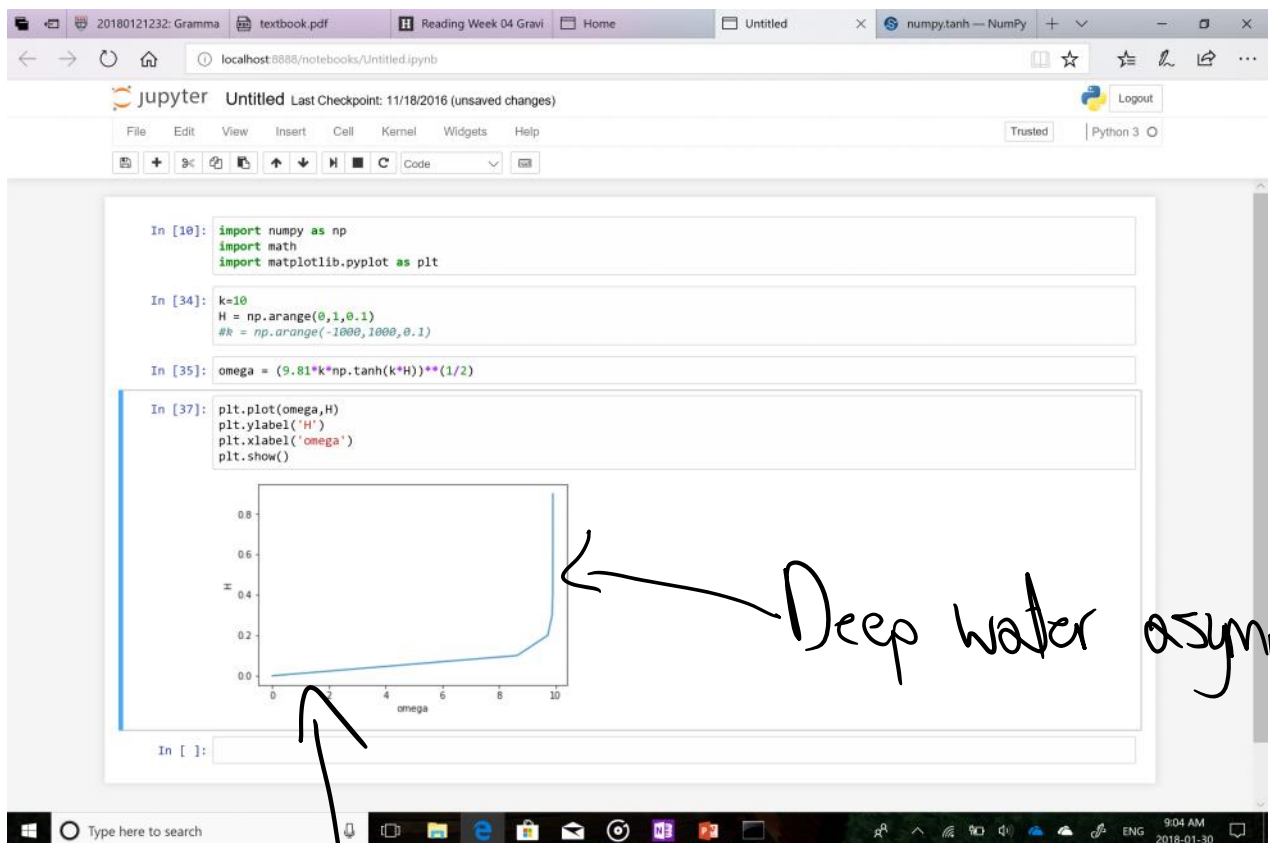


We can see the wave crest moves to the right because water in front of the wave is being pulled down and away creating a low pressure zone while water is being added to the leading edge of the front, this creates a pressure gradient in the $+x$ direction reversing the vector directions on this

reversing the vector directions on this sketch would result in waves moving in the $-x$ direction.

2)



3)