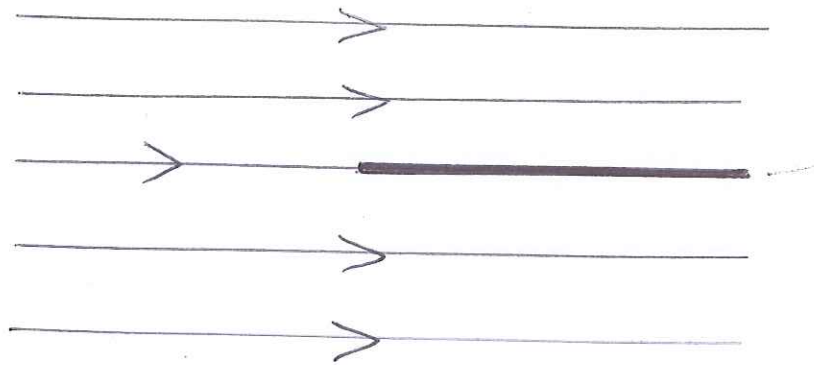
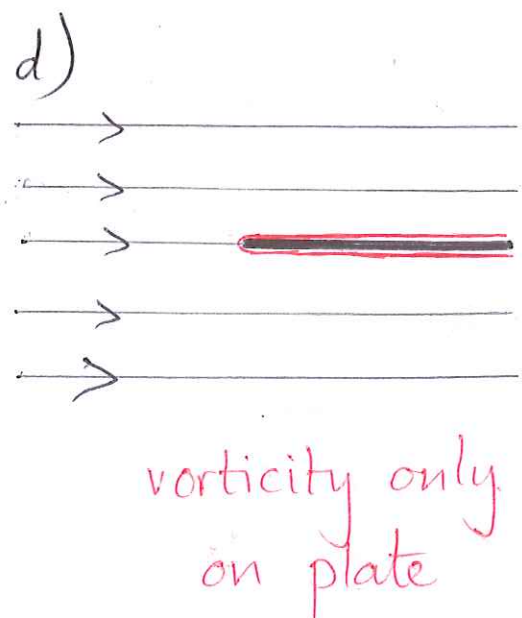
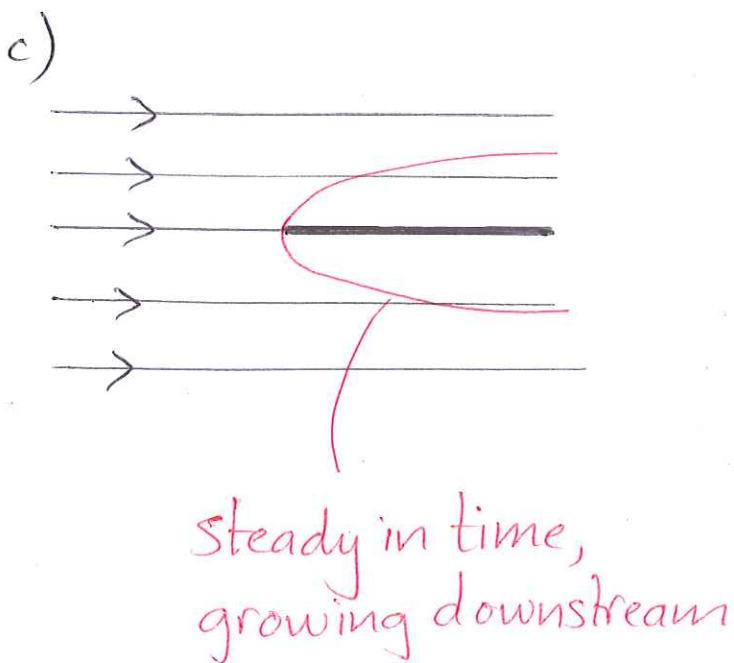
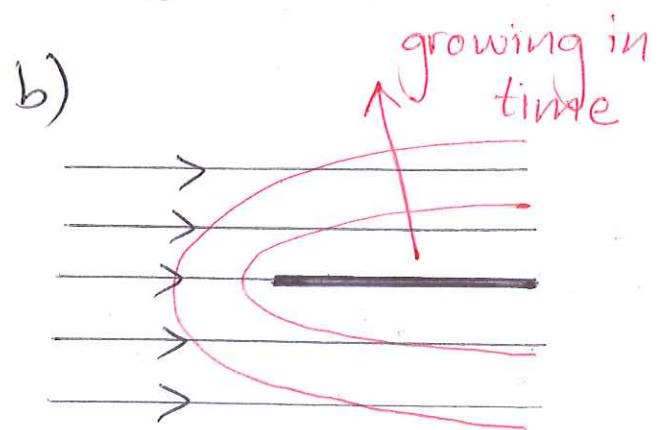
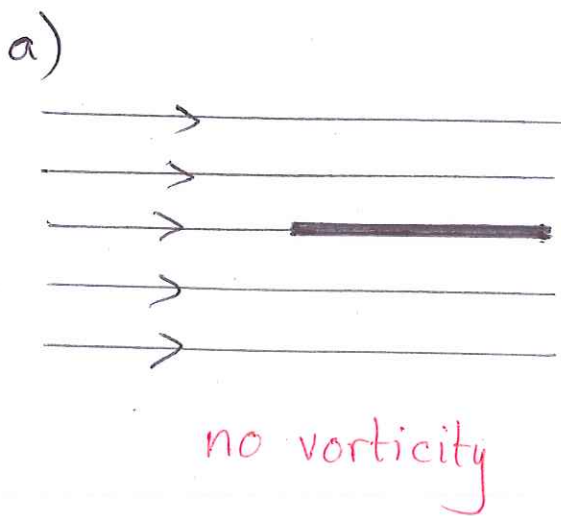


Consider flow past a semi-infinite plate

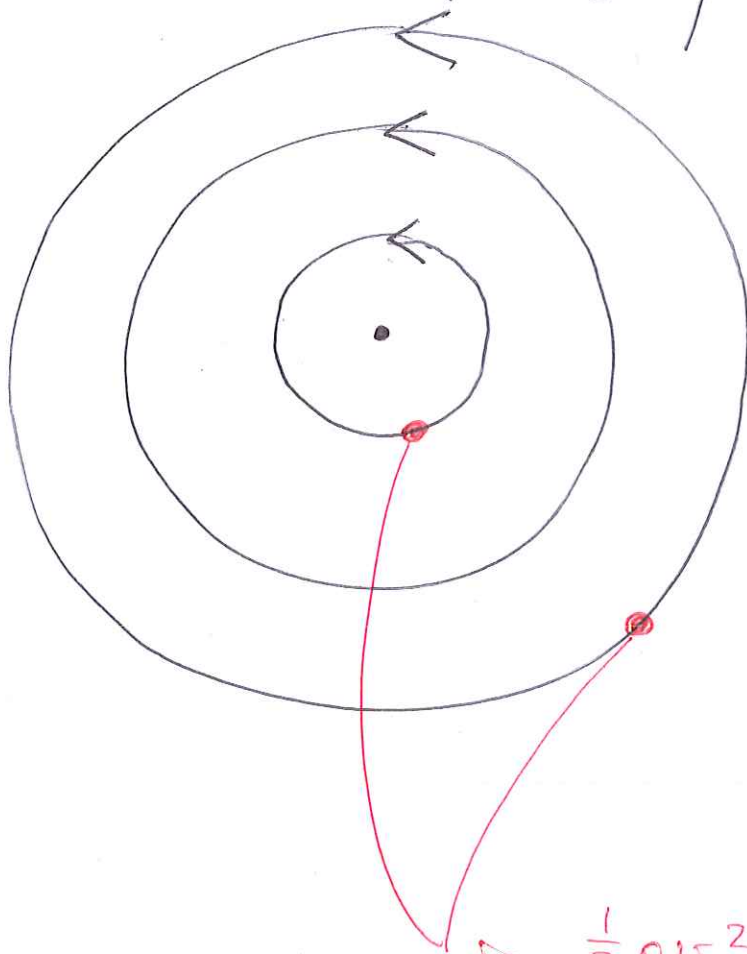


What does the vorticity look like?



Consider the flow

$$\underline{v} = \begin{pmatrix} -\partial_y \chi \\ \partial_x \chi \\ 0 \end{pmatrix}$$



is $\frac{1}{2}\rho v^2 + p + \chi$

the same at these points?

a) yes

b) no

For flow around a sphere, the potential flow solution is

- 1) valid
- 2) valid away from where vorticity is concentrated
- 3) not valid