Date . . . No . .

(2) Ta có: ~~H(z) =~~

- Với $h(n) = u(n)$ thì $H(z) = \frac{z}{z-1}$.

Do đó:

$h(n) = u(n) - u(n-2)$.

$\Rightarrow H(z) = \frac{z}{z-1} - \frac{z-2}{z-3} = \frac{-2}{z^2-4z+3}$.

(3) Ta có:

$h(n) = \delta(n) + \delta(n-1)$

$\Rightarrow H(\Omega) = 1 + e^{-j\Omega}$

$= e^{-j.0,5\Omega}\left[e^{j.0,5\Omega} + e^{-j.0,5.\Omega}\right]$.

$= e^{-j.0,5\Omega} . 2.\cos(0,5\Omega)$.

$= \underbrace{2\cos(0,5\Omega)}_{|H(\Omega)|} . e^{j.\underbrace{(-0,5\Omega)}_{\angle H(\Omega)}}$

Có: $\angle H(\Omega) = -0,5\Omega$.