DOCUMENT REPONSES

NOM : _____PRENOM : _____

Problème

Q9

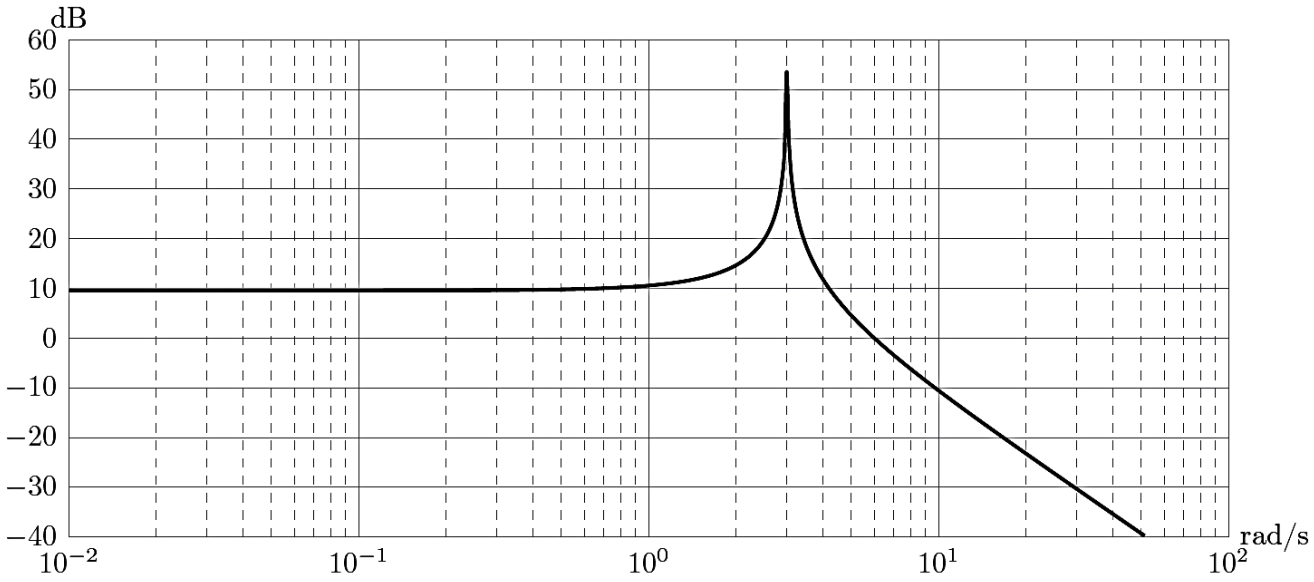


FIGURE A

Q16

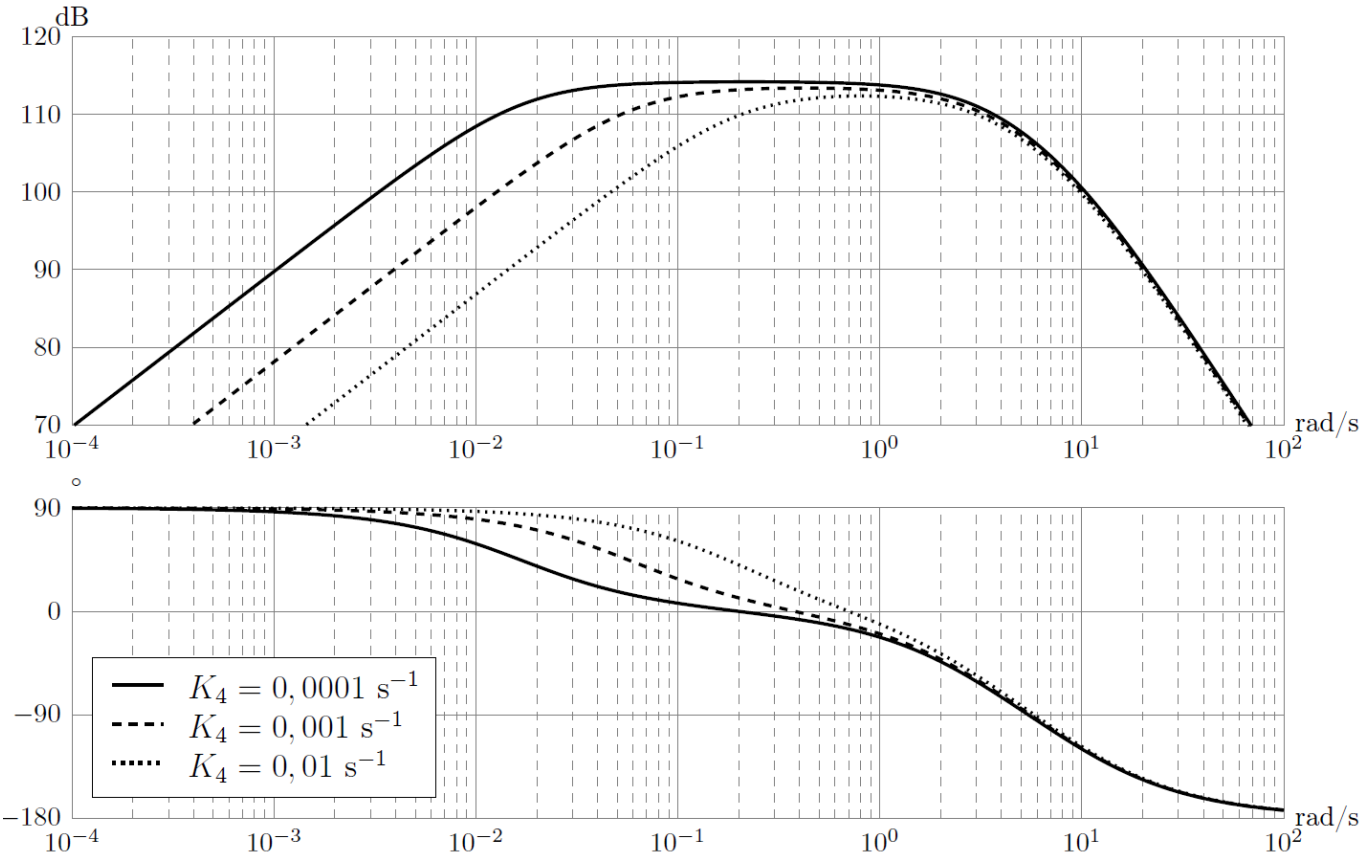


FIGURE B - Diagramme de Bode de l'asservissement en tension complet $\dfrac{U(p)}{\gamma_{x2}(p)}$

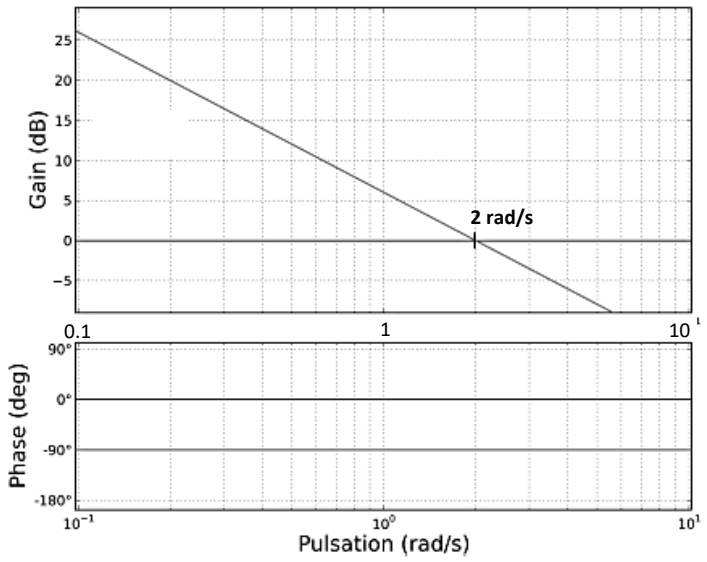
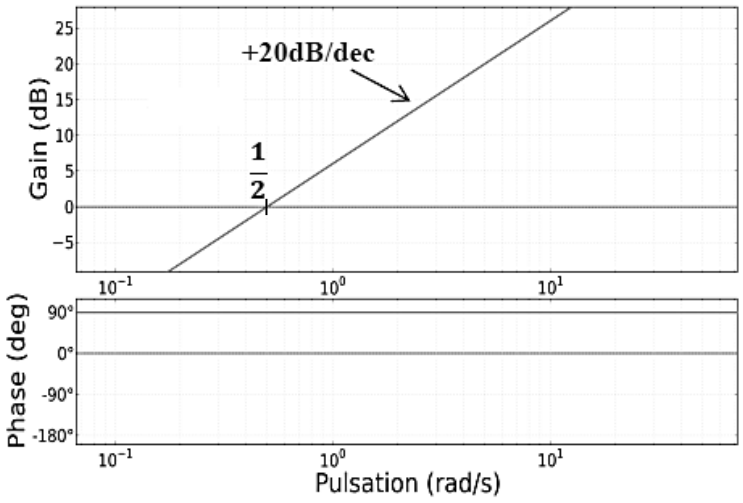
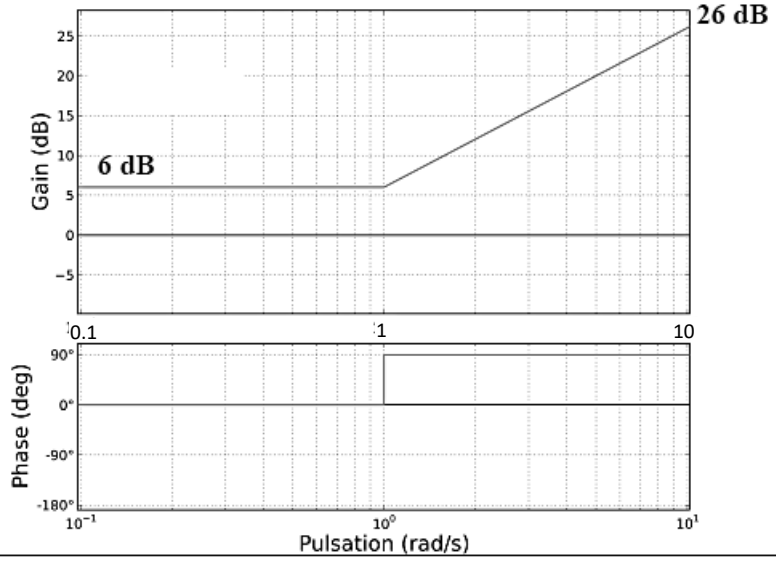
Q18

$$P = \begin{pmatrix} \cos\alpha_0 \sin\beta_u & \ldots\ldots\ldots & \ldots\ldots\ldots \\ \cos\alpha_0 \sin\beta_v & \ldots\ldots\ldots & \ldots\ldots\ldots \\ \cos\alpha_0 \sin\beta_w & \ldots\ldots\ldots & \ldots\ldots\ldots \end{pmatrix}$$

Q19 :

$$P = \begin{pmatrix} \ldots\ldots\ldots & \ldots\ldots\ldots & \ldots\ldots\ldots \\ \ldots\ldots\ldots & \ldots\ldots\ldots & \ldots\ldots\ldots \\ \ldots\ldots\ldots & \ldots\ldots\ldots & \ldots\ldots\ldots \end{pmatrix}$$

Exercice

Fonction de transfert	Diagrammes asymptotiques ou réels de bode
INTEGRATEUR $H(p) =$	
DERIVATEUR PUR $H(p) =$	
DERIVATEUR $H(p) =$	

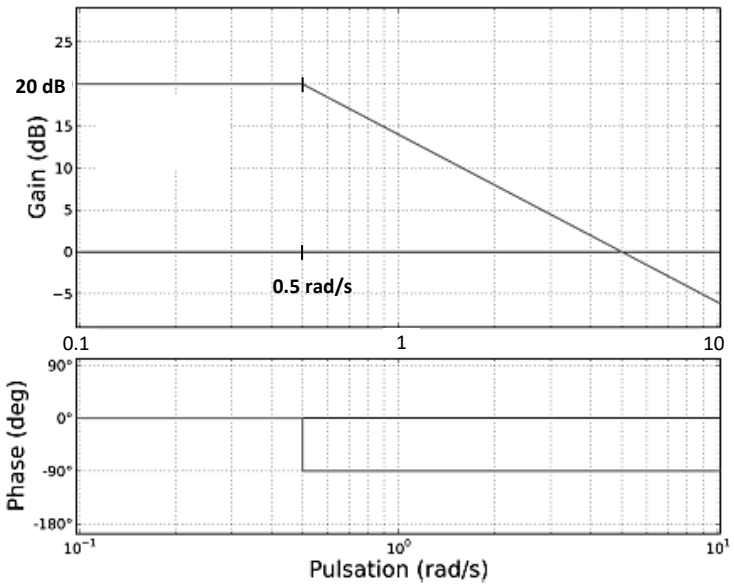
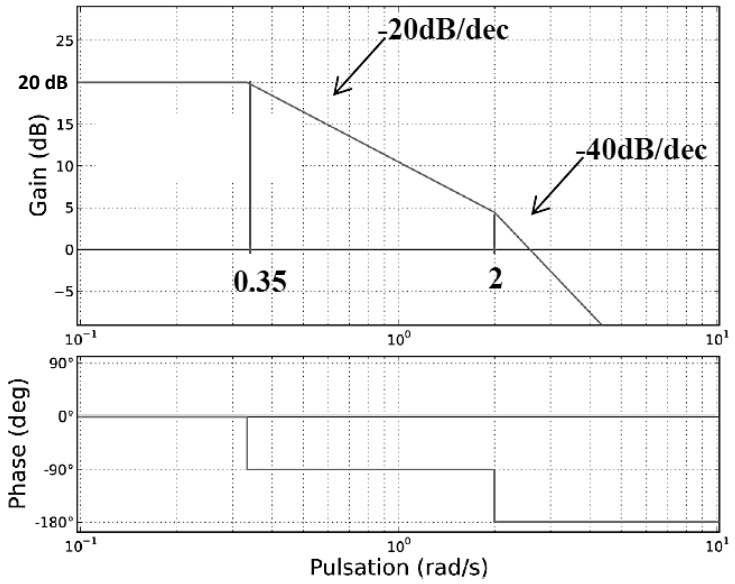
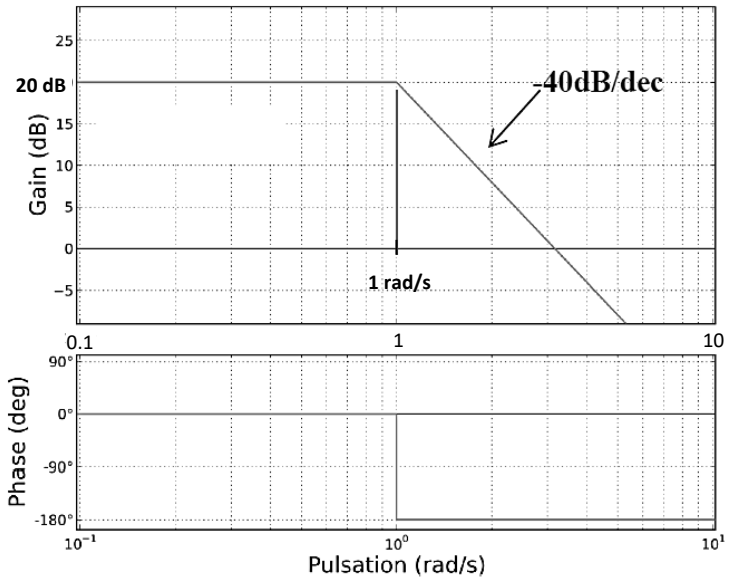
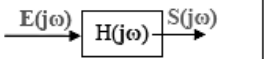
1er ORDRE. $H(p) =$	
2ième ORDRE avec coeff amortissement > __ $H(p) =$	
2ième ORDRE avec coeff amortissement = 1 $H(p) =$	

Diagramme de Bode et réponse temporelle

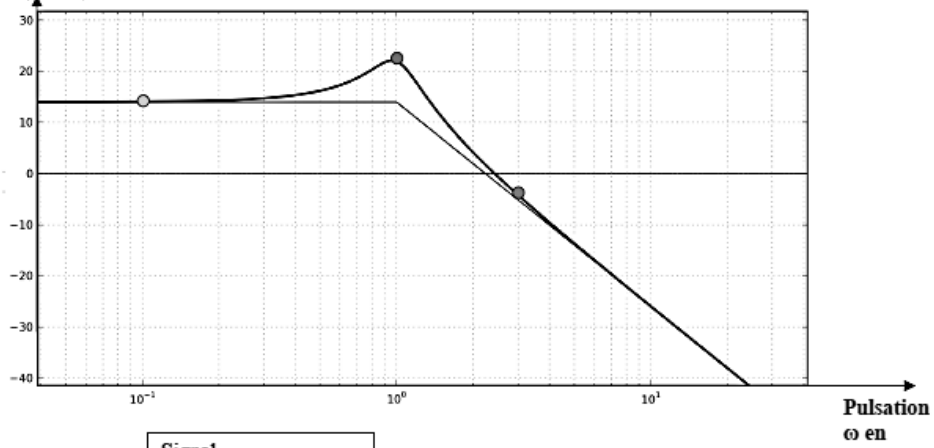
Fonction de transfert étudiée

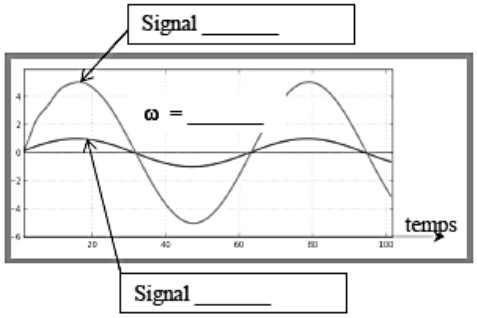


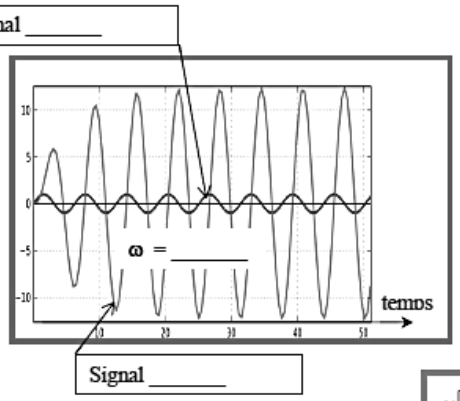
Dans cet exemple :

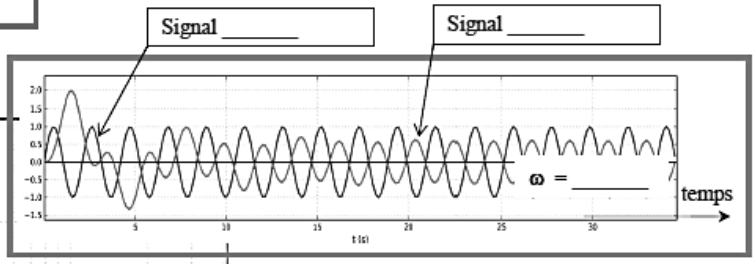
$$H(p)=\frac{5}{1+0.4p+p^2}$$

Gain A en dB
$=20\log(|H(j\omega)|)$









Phase φ en degrés
$=\arg(H(j\omega))$