## OKS Vizesi 2010 25 402 CINERIX

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(1) a) 
$$GH(s) = G_{e}(s) \Rightarrow HG(s) = 1+ \frac{K(1+2s)(1+4s)}{s^{2}(s^{2}+s+4)} = 0$$
 $g(s) = s^{4} + s^{3} + (8k+1)s^{2} + 6ks + K = 0$ 
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(3) 
$${}^{8}M_{p} = \frac{1}{1,32}(%) \rightarrow \overline{S} = -\frac{1}{1,32}(\frac{1}{1,32}(90)) = 0,707$$
 $\overline{R}^{\frac{3}{2}} + L^{\frac{3}{2}}(\frac{1}{1,32}(90)) = 0,707$ 
 $\overline{R}$