

MECH 6300 HW2

$$1d) f(s) = \{2s-1, 2s-3, s^2+2\}$$

$$W = \begin{bmatrix} 2s-1 & 2s-3 & s^2+2 \\ 2 & 2 & 2s \\ 0 & 0 & 2 \end{bmatrix}$$

$$|W| = (2s-1)(4-0) - (2s-3)(4-0) + 0$$

$$= (8s-4) - (8s-12)$$

$$= 8 \neq 0$$

L.I.