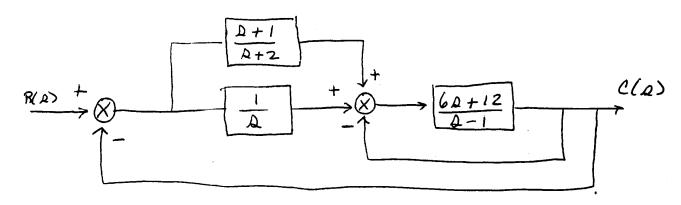
ECE 365 Q6 02/22/00

NAME:

KEY

Honor Code:



Find the equivalent Closed Loop Transfer Function.

parallel blocko:

$$\frac{\partial + 1}{\partial + 2} + \frac{1}{\partial} = \frac{\partial^2 + \partial \Delta + \partial}{\partial (\rho + 2)}$$

Feedback blocks

$$\frac{6}{1+6H} = \frac{60 + 12}{70 + 11} = \frac{6(0+2)}{70 + 11}$$

Product:

$$\frac{D_{720+2}^{2}}{A(70+11)}$$
 6 (0+2)'s (and)

Feedhack:
$$\left(\frac{6 n^2 + 12 n + 12}{13 n^2 + 23 n + 12}\right)$$