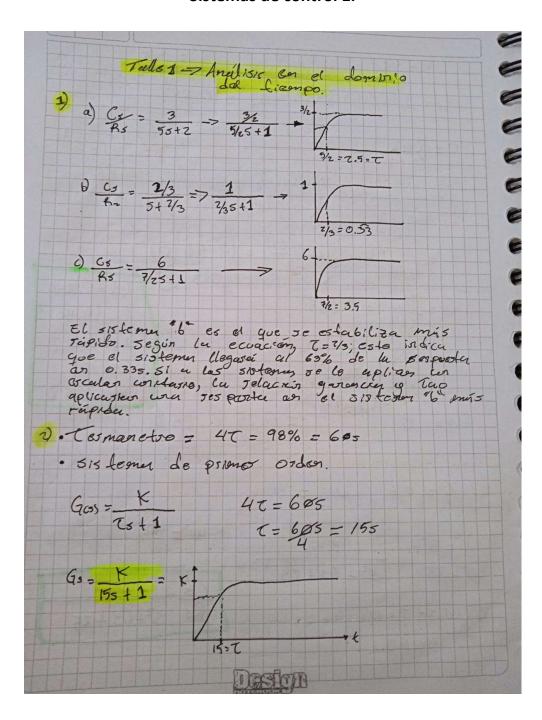
## **Cristhian Alexander Torres Polanco.**

## Taller 1: Análisis en el dominio del tiempo. Institución universitaria Antonio José Camacho. Sistemas de control 1.



3) g) C1 = 720 = 72 Y5 = KW1 Rs 1052 + 5045 + 360 = 52 + 50.45 + 36 Rs = 52 + 23 Wn 51 Wh W3=36-7 Wn=6 | 7=50.45=4.2 | K=72=2/solse const b) Cs = 40 = 8 552+ 1605+ 80 = 52+ 325+ 16 Wn=16-7 Wn=4 | 7=32=4 | K= 8=0.72 | 50 bs cancerts: C)Gr = 18 = 9 -7 Wn = 9 -7 Con=3 7=36 =6 K=9=1 / 5061e conortiguedo. d) Co = 441 147 = 147 -7 Wn= 49-7 Wn=7 7=9.8 = 0.7 | K=147=3 / Subamortiguado. e) Cs = 252 - 36 -7 Wn=9 -7 Wn=3. 7=6-=1/K=36-=4/Cr. Licumente conortiguado f) G = 48 = 12 -> Wh=4 -> Wh=2. 7=1.6=0.4 / K=12=3 / Sub comortisusdo. G)  $\frac{C_5}{85} = \frac{150}{35^2 + 75} = \frac{50}{3^2 + 25} = \frac{5^2 + 7^2}{3^2 + 25} = \frac{(5+5)^2}{5^2 + 75 \times 5} = \frac{(5+5)^2}{5^2 + 75 \times$  $\frac{50}{5^{2}+105+25} \rightarrow \frac{30}{1} = \frac{30}{1} = \frac{30}{1} = \frac{10}{1} = \frac{10}{1}$ K= 50 = 2. / Criticumante amantiquendo.

