Sin título.notebook April 03, 2017

$$\frac{\text{Tored 3 ALS-NL}}{\text{2) b)}}{\frac{30}{S^2 + 12s + 36}} = \frac{30}{36} \frac{36}{S^2 + 12s + 36}$$

$$\frac{2}{5} = \frac{1}{6} \frac{1}{6} = \frac{1}{6}$$

$$\frac{36}{S^2 + 12s + 36}$$

$$\frac{1}{5} = \frac{1}{10} = \frac{1}{6} = \frac{1}{60} = 0.017s$$

abr 3-02:33 p.m.

4.) b-)
$$G(s) = \frac{20}{s^{2} + 12s + 30} = \frac{Y(s)}{Y(s)} \cdot \frac{X(s)}{U(s)}$$

$$y(t) = 20x(t)$$

$$\frac{X(s)}{U(s)} = \frac{1}{s^{2} + 12s + 30}$$

$$\frac{x}{1} + 12x + 30x = u(t)$$

$$\frac{x}{2} = -12x - 30x + u$$

$$x_{1} = x$$

$$x_{2} = x$$

$$y = 20x_{1}$$

$$x_{2} = x$$

$$y = -12x - 30x_{1} + u = x_{2}$$

$$y = 20x_{1}$$

$$x_{2} = x$$

$$y = -12x - 30x_{1} + u = x_{2}$$

$$y = 20x_{1}$$

$$x_{2} = x$$

$$y = -12x - 30x_{1} + u = x_{2}$$

$$x_{3} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{4} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{7} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{1} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{2} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{3} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{4} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{7} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{1} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{2} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{3} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{4} = x - 12x_{2} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

$$x_{5} = x - 12x_{5} - 30x_{1} + u = x_{2}$$

abr 3-03:20 p.m.

abr 3-03:34 p.m.

4.) a.

$$G(5) = \frac{2}{5+5} = \frac{Y(5)}{Y(5)} \cdot \frac{X(5)}{Y(5)}$$

$$\frac{Y(5)}{Y(5)} = 2$$

$$Y(5) = \frac{1}{5+5}$$

$$Y(5) = 2X(5)$$

$$X(5) = \frac{1}{5+5}$$

$$Y(5) = 2X(5)$$

$$X(5) = \frac{1}{5+5}$$

$$Y(5) = 2X(5)$$

$$X(5) = \frac{1}{5+5}$$

$$Y(5) = -5X(1) = -5X(1)$$

$$X_1 = X(1) = -5X(1) = -5X(1) = -5X(1)$$

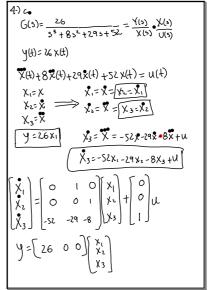
$$Y = 2X_1$$

$$Y = 2X_1$$

$$Y = 2X_1$$

$$Y = 2X_1$$

abr 3-03:16 p.m.

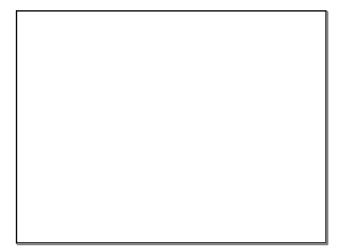


abr 3-03:26 p.m.



abr 3-03:53 p.m.

Sin título.notebook	April 03, 2017
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abr 3-04:01 p.m.