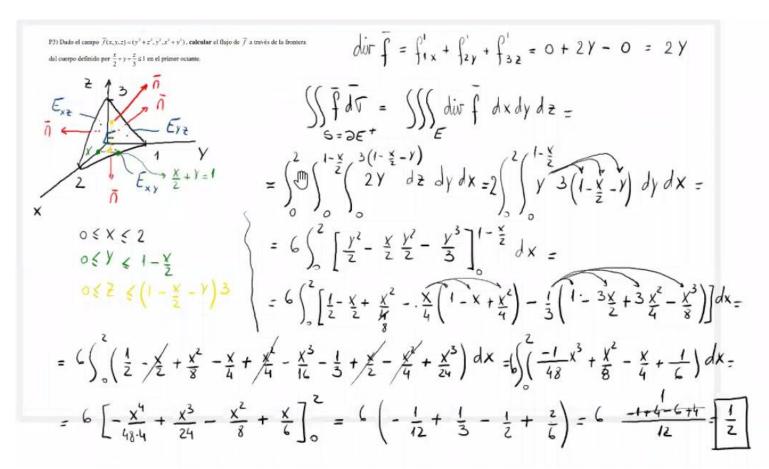


P3 virillar and a comp J(x) = (6x + 4y)  $\int_{1/2}^{1/2} = (6x + 4y)$   $\int_{1/2}^{1/2} = (6x + 4y)$ 



P() Haller to solution general de to consider 
$$y'' - 2y' + 5y = 2x$$

$$y'' - 2y' + 5y = 2x$$

$$y'' - 2y' + 5y = 0 \implies M^2 - 2u + 5 = 0 \implies u = 2 \pm \sqrt{4 - 4 \cdot 1 \cdot 5} = 2 \pm \sqrt{-16}$$

$$V_c = e^x \left( C_1 \cdot e^x \le (2x) + C_2 \cdot \lambda e^u \cdot (2x) \right)$$

$$V_p = ax + b \implies 0 - 2a + 5 \cdot (ax + b) = 2x$$

$$V_p'' = a$$

$$V$$

Ti) Founds of Towns to General to General to General to the constant to the special to the constant to the special to the constant to the con

T2) Demostrar que si y, es solución de la ecuación  $y'' + p(x) \cdot y' + q(x) \cdot y = g(x)$  con y = y(x) entonces  $k \cdot y$ , es solución de la ecuación  $y'' + p(x) \cdot y' + q(x) \cdot y = k \cdot y$  = g(x)  $y''_{p} + p(x) \cdot y'_{p} + q(x) \cdot y_{p} = g(x)$   $y''_{(x)} = k \cdot y_{p} \longrightarrow \text{Telenflagy en la } \in \mathbb{D}.$   $y''_{(x)} = k \cdot y_{p} + p(x) \cdot k \cdot y_{p} + q(x) \cdot k \cdot y_{p} = k \cdot g(x)$   $y''_{(x)} = k \cdot y_{p} + p(x) \cdot k \cdot y_{p} + q(x) \cdot k \cdot y_{p} = k \cdot g(x)$   $y''_{(x)} = k \cdot y_{p} + p(x) \cdot k \cdot y_{p} + q(x) \cdot y_{p$